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United States Department of Agriculture

Bureau of Markets

FOOD SURVEYS

Published by Authority of the Secretary of Agriculture

WASHINGTON, D. C.

MAY 31, 1918.

VOL. I, No. 4

ANNOUNCEMENT.

In accordance with the provisions contained in Section 2, of an Act of Congress (Public No. 40, 65th Congress), approved August 10, 1917, the Chief of the Bureau of Markets of the United States Department of Agriculture has been authorized and instructed, as an agent of the Secretary of Agriculture, to take such steps as may be necessary to obtain authoritative information regarding the matters authorized to be investigated under that section.

The Food Surveys Project has been established pursuant to Sections 2 and 8, of the Act, to obtain such information concerning food and food materials as may seem necessary or desirable for the guidance of governmental agencies and the public in making plans for increasing production, for promoting efficient distribution, and for directing conservation and utilization.

The results of the surveys made under this Project will be published monthly in "Food Surveys," which will be mailed from Washington, D. C., between the fifteenth and twentieth of each month. Special numbers of "Food Surveys" will be issued from time to time as occasion may require. A copy may be obtained on application to "Food Surveys," Bureau of Markets, Room 229, Homer Building, Washington, D. C.

CHARLES J. BRAND, *Chief, Bureau of Markets.*

C. W. THOMPSON, *In Charge, Food Surveys Project.*

COMMERCIAL STOCKS OF FATS AND OILS.

The stocks of fats and oils covered by the Food Survey of January 1, 1918, for which information is here presented, include lard, lard compounds, solid vegetable cooking fats, oleo stock, oleo oil, and edible tallow, cottonseed oil, olive oil and peanut oil.

The estimated total commercial stocks of these commodities, assuming that the stocks actually reported represent from 85 to 90 per cent of the total, were as follows: Lard, 135,000,000 pounds; lard compounds, 93,000,000 pounds; solid vegetable cooking fats, 41,000,000 pounds; oleo stock, oleo oil, and edible tallow, 58,000,000 pounds; cottonseed oil, 67,000,000 gallons; olive oil, 4,500,000 gallons; and peanut oil, 2,600,000 gallons.

There is a noticeable decrease in the stocks of lard and cottonseed oil, the holdings for January 1, this year, being 72.0 per cent and 82.8 per cent, respectively, of those for January 1 of last year. The holdings of lard compounds also show some decrease, the stocks for January 1, 1918, being 95.3 per cent of those a year earlier. In the case of the four remaining commodities, the stocks show an increase, the percentages of last year's holdings being as follows: Solid vegetable cooking fats, 115.6 per cent; oleo stock, oleo oil, and edible tallow, 109.6 per cent; olive oil, 117.8 per cent; and peanut oil, 124.7 per cent.

Detailed information for each of these commodities is presented in the following pages.

COMMERCIAL STOCKS OF LARD.

The stocks of lard (pure lard) in commercial channels, as reported in the War Emergency Food Survey of January 1, 1918, amounted to 118,402,005 pounds. Of this amount the meat packers reported nearly six-tenths and the retail dealers three-tenths, the balance being held by wholesalers, bakers, storage warehouses, and a miscellaneous group of firms. The total stocks reported by each of these groups of concerns, as well as by the various subgroups or classes, are shown in the first column of Table 1, and graphically represented in Diagram 1. The number of schedules tabulated for lard is shown in Table 2.

Geographic Distribution of Stocks Reported.

Because of the large percentage of the total stocks reported by the meat packers, it would naturally be expected that the two North Central geographic divisions would rank first in stocks reported. The East North Central division in fact reported fully one-third of the total commercial stocks of lard for the country, while the West North Central division reported nearly one-fifth. That the Middle Atlantic division ranked third, with stocks only about three million pounds less than those of the West North Central division, was due principally to the relatively large stocks of retail dealers.

Table 1.—Stocks of lard reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent of 1917.	
Total	Pounds. 118,402,005	Pounds 105,041,965	72.0	Pounds. 145,987,373
Meat packers	69,207,071	65,328,451	66.6	98,089,031
Storage warehouses	1,357,245	1,143,856	38.5	2,972,513
Cold storages	967,209	879,379	114.1	770,686
Warehouses	390,036	264,477	12.0	2,201,827
Wholesale dealers	6,173,660	5,355,927	76.1	7,040,855
Wholesale grocers	3,410,172	2,983,570	73.2	4,077,308
Meat and provision jobbers	2,108,522	1,867,888	81.6	2,264,095
Other wholesale dealers	657,916	524,469	75.0	659,452
Bakers	2,472,452	2,118,401	96.5	2,195,004
Retail dealers	34,946,489	27,643,298	85.8	32,219,128
Retail grocers	19,058,559	15,672,787	92.9	16,870,748
General stores	11,113,225	8,490,735	81.3	10,458,208
Retail meat markets	4,768,880	3,465,816	71.4	4,876,884
Other retail dealers	25,795	43,960	59.9	23,288
Miscellaneous	4,245,088	3,451,132	99.4	3,470,842

DIAGRAM 1.—DISTRIBUTION OF TOTAL STOCKS OF LARD REPORTED FOR JANUARY 1, 1918.

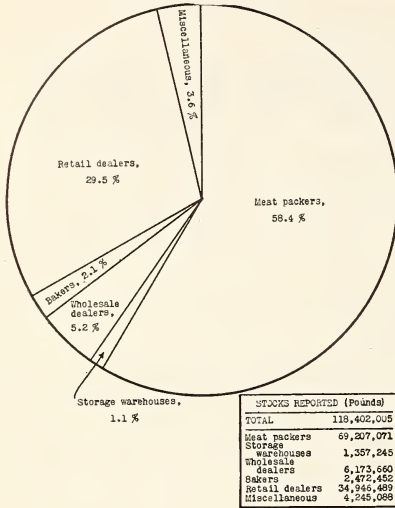


Table 2.—Number of firms reporting lard, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	187,322	135,733
Meat packers.....	1,526	1,393
Storage warehouses.....	69	41
Cold storages.....	45	34
Warehouses.....	24	7
Wholesale dealers.....	3,062	2,569
Wholesale grocers.....	2,025	1,783
Meat and provision jobbers.....	463	393
Other wholesale dealers.....	574	393
Bakers.....	5,708	4,078
Retail dealers.....	169,898	123,034
Retail grocers.....	94,968	67,781
General stores.....	56,430	43,242
Retail meat markets.....	18,368	11,936
Other retail dealers.....	132	75
Miscellaneous.....	7,059	4,618

The geographic distribution of the total stocks reported is shown in graphic form in Diagram 2, while the distribution by states as well as by geographic divisions, is given in Table 3, both for the total stocks and for each of the groups and classes of dealers. The stocks reported for the twenty most important states are shown graphically in Diagram 3, which brings out the fact that Illinois reported nearly two and one-half times as much lard as New York, the second state on the list.

Comparative Figures for 1918 and 1917.

Nearly 90 per cent of the reports, based on stocks reported, gave information for January 1, 1917, as well as for January 1, 1918. The comparative stocks for the two dates based on these two-year reports are shown in the last three columns of Table 1, and are given by geographic divisions as well as by states in Table 4. These figures indicate that the total commercial stocks on the date of the survey were only 72.0 per cent of those of January 1, 1917. The relative stocks on the two dates are graphically represented in Diagram 4. This diagram brings out the fact that while the storage warehouses show the largest relative decrease, the really significant decrease in the stocks on January 1, 1918, as compared with those on hand a year earlier, was in the holdings of the meat packers.

DIAGRAM 2.—STOCKS OF LARD REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

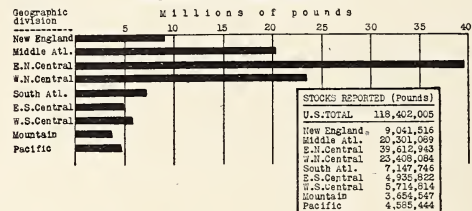


DIAGRAM 3.—STOCKS OF LARD REPORTED FOR THE EIGHTEEN MOST IMPORTANT STATES.

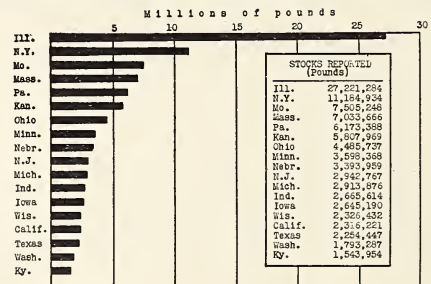


Table 3.—Stocks of lard reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Meat packers.	Storage ware- houses.	WHOLESALE DEALERS.					Bakers.	RETAIL DEALERS.					Miscel- laneous.
				Total.	Whole- sale grocers.	Meat and provision jobbers.	Other whole- sale dealers.	Total.		Retail grocers.	General stores.	Retail meat markets.	Other retail dealers.		
United States.....	118,402,005	69,207,071	1,357,245	6,173,660	3,410,172	2,105,572	657,916	2,472,452	34,946,489	19,058,559	11,113,255	4,748,880	25,795	4,245,088	
GEOGRAPHIC DIVISIONS:															
New England.....	9,041,516	6,401,476	19,725	616,663	156,337	398,628	61,698	180,190	1,740,051	1,174,321	480,911	83,597	1,222	83,411	
Middle Atlantic.....	20,301,089	5,120,735	340,573	1,396,418	532,255	637,970	226,193	1,006,852	11,394,731	90,981,139	1,059,976	1,228,768	7,848	1,041,780	
East North Central.....	39,612,943	29,633,619	34,997	937,045	547,045	292,222	97,778	563,009	6,418,266	3,325,687	1,434,700	1,655,442	2,437	2,021,007	
West North Central.....	23,408,084	19,139,367	390,868	306,673	144,245	137,678	24,750	251,709	3,098,386	1,198,522	1,050,601	847,329	1,934	221,081	
South Atlantic.....	7,147,746	1,946,985	85,308	1,108,981	809,757	223,843	75,381	131,338	3,643,729	1,323,782	2,169,768	145,361	4,800	230,205	
East South Central.....	4,935,822	1,302,705	8,493	845,980	548,880	185,091	112,009	29,289	2,631,708	909,142	1,630,074	88,085	4,407	117,645	
West South Central.....	5,714,814	1,866,182	139,616	481,011	454,351	9,490	17,170	109,062	2,969,301	1,036,052	1,839,486	91,471	2,292	149,642	
Mountain.....	3,654,547	1,635,598	6,400	257,359	122,388	97,828	37,143	71,567	1,593,281	471,998	862,239	258,599	445	90,342	
Pacific.....	4,555,444	2,160,044	330,063	223,530	94,914	122,822	5,794	124,436	1,457,036	520,916	555,482	350,228	410	289,975	
NEW ENGLAND:															
Maine.....	570,813	164,444	-----	92,411	50,114	37,945	4,352	14,888	288,001	165,931	116,393	5,267	410	11,069	
New Hampshire.....	191,279	32,197	-----	19,818	11,894	7,141	783	4,426	124,798	86,321	31,940	6,302	235	10,040	
Vermont.....	136,807	10,009	-----	7,519	3,779	2,460	1,280	10,187	105,977	47,402	47,884	10,426	265	3,115	
Massachusetts.....	7,033,666	5,665,616	19,725	399,802	72,016	310,011	17,775	108,900	805,109	526,180	243,523	35,341	65	34,514	
Rhode Island.....	228,127	28,502	-----	80,816	9,943	31,676	19,797	10,016	115,727	98,244	12,009	3,474	-----	13,086	
Connecticut.....	880,824	500,708	-----	36,297	9,191	9,395	17,711	31,773	300,439	250,243	29,162	20,787	247	11,607	
MIDDLE ATLANTIC:															
New York.....	11,184,934	2,095,741	289,790	789,643	168,654	454,325	166,661	597,882	7,171,244	6,252,899	344,502	571,270	2,573	240,633	
New Jersey.....	2,942,767	986,686	33,392	149,415	35,174	79,914	34,327	106,429	1,008,492	865,944	68,081	68,527	4,940	658,355	
Pennsylvania.....	6,173,388	2,038,308	17,391	457,360	328,427	103,731	25,202	302,541	3,214,995	1,979,296	646,393	588,971	335	142,794	

Table 3.—Stocks of lard reported for January 1, 1918, by classes of business, for geographic divisions and states—Continued.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Meat packers.	Storage ware- houses.	WHOLESALE DEALERS.				Bakers.	RETAIL DEALERS.					Miscel- laneous.
				Total.	Whole- sale grocers.	Meat and provision jobbers.	Other whole- sale dealers.		Total.	Retail grocers.	General stores.	Retail meat marke- ts.	Other retail dealers.	
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
E. N. CENTRAL:														
Ohio.....	4,485,737	1,911,351	3,817	349,095	255,158	89,233	4,704	122,494	1,850,365	1,072,020	285,956	491,929	460	248,615
Ind.....	2,665,614	1,528,057	1,640	164,895	94,712	45,711	20,472	21,460	919,583	507,488	212,440	199,484	171	29,979
Ill.....	27,221,284	23,537,533	29,540	188,439	66,453	87,783	34,203	222,128	1,611,511	834,339	414,102	361,612	1,458	1,632,133
Mich.....	2,913,876	1,382,435	190,030	94,288	64,875	30,867	128,041	1,148,468	587,149	260,939	300,165	165	64,902	64,902
Wis.....	2,326,432	1,274,243	44,586	36,434	620	7,532	73,886	888,339	324,691	261,213	302,252	183	45,378	45,378
V. N. CENTRAL:														
Minn.....	3,598,368	2,787,288	106,111	49,164	34,380	22,567	62,178	612,280	199,126	204,755	207,124	1,275	30,511	30,511
Iowa.....	2,645,190	1,791,100	4,980	96,101	46,396	49,115	590	43,750	639,563	249,272	153,379	236,637	275	69,696
Mo.....	7,505,248	5,995,286	384,563	65,170	39,818	24,528	824	113,155	871,451	442,900	329,975	98,361	215	75,623
N. D.....	207,023	33,204	3,865	1,535	2,900	30	375	159,394	27,570	64,503	67,521	5,985		
S. D.....	250,327	93,844	3,412	2,838	-----	-----	574	4,417	139,121	27,823	63,204	48,354	40	9,233
Nebr.....	3,393,959	3,069,007	28,814	1,369	27,355	90	11,239	272,796	90,873	93,632	88,287	4	12,103	12,103
Kan.....	5,807,969	5,369,638	1,325	3,200	3,125	-----	75	12,595	403,281	160,958	141,153	101,045	125	17,930
So. ATLANTIC:														
Del.....	123,295	19,737	25,871	4,003	21,700	168	670	70,894	36,560	18,423	15,911	-----	6,123	6,123
Md.....	957,857	404,309	17,610	140,154	33,024	105,974	1,156	28,152	316,242	174,257	101,276	40,709	-----	51,390
D. C.....	292,916	111,684	35,409	16,579	18,710	120	44,129	96,450	84,515	664	11,271	-----	5,244	5,244
Va.....	1,250,057	491,118	48,989	122,280	76,490	37,371	8,419	24,425	537,104	224,918	286,271	24,380	1,535	26,232
N. Va.....	1,178,625	302,825	7,640	265,830	260,505	5,235	5,195	382,066	158,378	387,456	35,107	1,825	14,169	14,169
N. C.....	898,311	74,850	188,560	184,835	1,640	2,083	3,863	699,981	193,027	502,554	3,780	620	22,055	22,055
S. C.....	644,502	38,448	90,028	85,308	730	3,990	3,298	477,106	112,757	361,849	2,500	-----	31,623	31,623
Ge.....	1,392,059	413,581	12,360	218,788	132,506	32,706	53,566	12,857	687,613	257,736	422,746	6,311	820	46,870
Fla.....	3,323,123	90,433	22,071	16,417	5,012	642	8,747	175,373	81,434	88,547	5,392	-----	26,499	26,499
E. S. CENTRAL:														
Ky.....	1,543,954	246,628	244	477,155	274,428	158,214	44,513	13,271	785,779	346,893	397,622	39,769	1,495	20,877
Tenn.....	1,301,566	460,232	8,251	152,234	127,805	19,254	5,175	7,440	651,058	236,986	368,953	43,317	1,802	22,351
Ala.....	1,300,376	513,706	112,683	43,239	7,623	61,821	4,793	609,642	179,435	425,898	3,409	900	59,552	59,552
Miss.....	789,926	82,139	103,908	103,408	-----	-----	500	3,785	585,229	145,828	437,601	1,590	210	14,865
W. S. CENTRAL:														
Ark.....	834,788	34,100	907	33,692	27,792	4,675	1,225	13,521	742,402	246,018	483,629	12,075	680	10,166
La.....	1,323,240	95,934	137,593	241,361	236,315	-----	5,046	29,409	789,670	222,835	565,078	1,757	-----	29,273
Okl.....	1,302,339	889,734	20,579	18,555	750	1,274	12,714	363,041	147,492	174,820	40,537	192	16,241	16,241
Texas.....	2,254,447	846,414	1,116	183,739	171,689	4,065	9,625	53,388	1,074,188	419,707	615,959	37,102	1,420	93,962
MOUNTAIN:														
Mont.....	676,265	196,167	68,948	20,961	47,887	100	28,391	361,321	97,164	162,668	101,459	30	21,438	21,438
Idaho.....	282,281	64,306	15,415	4,186	11,229	-----	410	198,168	50,861	94,000	53,307	-----	3,982	3,982
Wyo.....	228,685	26,665	31,408	13,068	17,740	-----	1,481	166,957	35,007	119,895	12,055	-----	2,174	2,174
Colo.....	1,345,095	904,466	21,414	5,566	15,638	210	21,822	383,339	159,469	177,507	46,728	135	13,554	13,554
N. M.....	220,984	19,288	17,229	17,229	-----	-----	3,918	157,254	26,690	120,122	10,202	240	23,295	23,295
Ariz.....	236,887	52,029	24,133	22,719	1,244	170	6,313	134,173	38,772	81,088	14,313	-----	20,239	20,239
Utah.....	576,476	339,158	6,400	74,727	33,974	4,090	36,663	74,458	142,683	74,458	17,832	40	2,411	2,411
Nev.....	87,874	33,519	4,085	4,085	-----	-----	465	46,556	11,352	32,501	2,703	-----	3,249	3,249
PACIFIC:														
Wash.....	1,793,287	1,044,796	64,653	30,763	33,200	690	19,626	555,421	155,680	277,913	121,828	-----	108,791	108,791
Ore.....	475,936	97,575	12	58,780	15,413	40,881	2,486	11,392	293,652	86,978	125,182	81,192	300	14,525
Calif.....	2,316,221	1,018,033	330,051	100,097	48,738	48,741	2,618	93,418	607,963	278,258	182,387	147,203	110	166,659

Table 4.—Comparative figures for lard, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		MEAT PACKERS.		STORAGE WAREHOUSES.		WHOLESALE DEALERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States	105,941,065	145,987,373	65,328,451	98,089,031	1,143,856	2,972,513	5,355,927	7,040,855	2,118,401	2,195,004	27,643,298	32,219,128	3,451,132	3,470,842
Geog. Divis.:														
New England	8,500,012	13,554,408	6,396,868	10,934,983	2,540	3,155	558,209	759,158	153,269	166,143	1,338,843	1,541,411	50,283	149,558
Middle Atl.	18,382,962	23,379,957	4,979,391	6,871,258	267,523	2,234,879	1,160,954	1,419,747	859,155	929,253	10,218,392	10,803,827	897,547	1,120,993
E. N. Central	34,316,651	61,697,762	26,294,659	51,581,049	5,457	378,959	819,800	1,173,220	500,475	516,539	4,791,773	6,421,541	1,904,487	1,626,454
W. N. Central	22,462,548	22,147,736	19,094,950	17,890,919	386,648	299,000	283,750	383,365	225,644	220,276	2,331,652	3,203,868	139,895	150,308
South Atl.	5,782,122	7,324,466	1,875,223	2,809,477	24,810	42,600	1,015,602	1,299,655	199,571	82,809	2,026,950	2,993,827	129,906	90,066
E. S. Central	3,866,586	4,128,759	1,241,177	1,139,952	5,345	5,200	632,386	798,902	16,945	31,629	1,876,369	2,065,181	91,634	87,896
W. S. Central	4,740,115	5,021,916	1,863,107	1,959,022	118,670	7,227	441,769	652,866	88,240	80,804	2,139,848	2,247,757	88,481	74,240
Mountain	3,044,530	3,661,044	1,460,912	1,854,414	---	---	227,552	252,283	63,921	38,306	1,234,917	1,458,937	57,228	57,104
Pacific	3,945,269	5,071,327	2,122,164	3,047,957	329,563	1,493	215,836	301,659	101,181	129,246	1,084,554	1,482,779	91,671	108,193
New England:														
Me.	495,013	557,884	164,144	152,109	---	---	83,737	92,115	13,072	12,174	229,557	294,611	4,503	6,875
N. H.	156,391	222,145	32,197	40,987	---	---	19,648	38,307	2,041	3,222	94,588	119,328	7,917	20,301
Vt.	117,806	171,633	10,009	7,033	---	---	6,919	14,044	9,642	6,659	89,161	137,285	2,075	6,612
Mass.	6,780,710	10,065,788	5,661,458	8,743,123	2,540	3,155	378,039	499,877	95,166	93,532	618,357	623,716	25,150	102,385
R. I.	178,457	255,814	28,502	38,985	---	---	51,736	89,175	9,201	12,636	83,060	99,207	2,938	4,531
Conn.	771,635	2,281,644	500,558	1,941,966	---	---	15,130	25,640	24,147	37,920	224,120	267,264	7,680	8,854
Middle Atl.:														
N. Y.	10,546,983	12,966,763	2,042,689	2,363,398	250,440	2,153,070	719,407	820,860	510,152	547,943	6,834,222	6,964,156	190,073	117,336
N. J.	2,580,324	3,244,902	920,292	1,172,223	---	---	137,347	234,204	83,964	145,490	833,862	494,994	612,859	898,691
Pa.	5,245,655	7,467,592	2,016,410	3,335,637	17,083	81,800	304,200	364,683	265,039	235,820	2,458,308	3,344,677	94,615	104,966
E. N. Central:														
Ohio	3,776,258	6,236,910	1,741,720	2,612,222	3,817	12,901	312,438	538,379	104,998	110,893	1,382,605	1,735,030	230,680	227,485
Ind.	2,452,766	3,637,487	1,520,277	2,287,602	1,640	---	120,613	208,373	16,912	21,731	726,096	1,096,100	27,316	27,781
Ill.	23,545,258	46,526,667	20,443,232	42,738,709	---	---	666,058	168,075	193,549	177,594	1,192,029	1,661,386	1,587,775	1,309,906
Mich.	2,554,680	2,765,186	1,371,030	1,327,425	---	---	177,688	147,070	116,290	97,730	839,768	1,163,154	29,884	29,807
Wis.	2,067,689	2,531,512	1,213,380	1,620,061	---	---	40,986	41,384	68,726	72,691	650,765	765,871	28,832	31,475
W. N. Central:														
Minn.	3,460,099	3,172,750	2,787,288	2,339,818	---	---	101,944	129,861	60,506	55,837	486,982	618,870	23,379	28,364
Iowa	2,407,918	2,503,708	1,684,498	1,769,488	1,260	---	61,051	102,451	32,295	37,128	483,853	650,817	23,128	33,381
Mo.	7,239,816	7,582,385	5,985,557	6,095,166	384,563	298,000	61,482	120,907	107,454	104,274	636,536	904,163	64,194	59,875
N. D.	162,498	159,767	33,204	22,063	---	---	3,865	2,270	1,857	2,925	119,495	127,982	4,077	4,527
S. D.	214,399	650,170	93,844	487,934	---	---	2,897	6,130	4,215	4,422	106,934	149,926	6,509	5,745
Neb.	3,301,962	3,734,784	3,069,007	3,384,233	---	---	14,505	18,412	10,474	12,911	302,599	307,065	5,408	8,178
Kan.	5,675,825	6,750,225	5,356,127	6,234,125	825	1,000	3,424	3,824	2,951	3,284	295,581	317,420	10,200	10,400

Table 4.—Comparative figures for lard, by classes of business, for geographic divisions and states—Continued.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		MEAT PACKERS.		STORAGE WAREHOUSES.		WHOLESALE DEALERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
SOUTH ATL.:														
Del.	94,910	132,039	17,727	3,495			25,823	43,215	620	1,090	46,612	80,290	4,128	3,949
Md.	790,742	1,163,438	383,349	682,049	12,610		136,726	119,793	22,663	24,752	209,148	322,298	26,846	16,546
D. C.	267,851	252,301	111,684	97,903			32,709	19,700	43,937	16,357	76,327	114,651	3,194	3,690
Va.	989,561	1,345,878	480,834	646,522			108,489	196,634	22,565	19,379	357,402	461,964	20,271	21,379
W. Va.	985,193	1,205,271	287,992	465,009	500	500	251,908	228,122	3,700	3,085	433,646	498,518	7,447	9,953
N. C.	748,852	791,366	66,025	76,215			153,216	210,222	1,875	5,735	510,561	491,271	17,175	7,923
S. C.	498,216	488,206	30,513	39,974			74,688	69,977	2,968	3,486	361,729	346,950	28,318	7,909
Ga.	1,161,792	1,708,280	406,666	734,759	11,700	42,100	212,243	373,832	6,089	5,481	519,226	539,842	5,868	12,266
Fla.	245,005	255,595	90,433	63,467			19,860	38,160	5,754	3,444	112,299	138,043	16,659	12,481
E. S. CENTRAL:														
Ky.	1,108,245	1,101,282	205,635	159,158	94	200	296,959	250,031	6,605	12,620	586,694	662,216	12,258	17,057
Tenn.	1,024,719	1,187,334	454,332	464,888	8,251	5,000	127,508	184,869	5,087	11,560	412,053	503,004	17,486	18,013
Ala.	1,118,567	1,125,369	499,071	394,491			109,330	195,431	2,903	4,220	451,006	483,069	56,947	48,158
Miss.	615,235	714,774	82,139	121,415			98,589	168,571	2,950	3,228	426,614	416,892	4,943	4,668
W. S. CENTRAL:														
Ark.	640,939	620,161	33,350	57,939	907	7,127	30,969	77,114	10,870	10,344	558,143	461,583	6,700	6,054
La.	1,036,264	1,022,229	95,454	108,783	117,393		236,161	336,141	24,368	17,471	551,941	552,101	10,947	7,733
Okla.	1,174,612	949,655	889,434	573,983			20,505	41,844	9,196	16,536	247,500	306,425	7,977	10,867
Texas	1,888,300	2,429,871	844,869	1,218,317	370	100	154,134	197,767	43,806	36,453	782,264	927,648	62,857	49,586
MOUNTAIN:														
Mont.	579,905	634,690	182,194	214,333			65,588	52,382	27,566	8,836	291,042	341,979	13,515	17,160
Idaho	218,043	256,415	51,986	41,874			15,415	11,158	390	430	147,038	199,939	3,214	3,014
Wyo.	191,044	133,113	26,665	5,318			31,408	6,317	779	822	130,502	118,816	1,090	1,840
Colo.	1,231,894	1,311,781	888,929	882,566			11,682	16,706	20,789	17,863	297,912	385,714	12,582	8,832
N. M.	173,363	203,440	19,288	14,101			17,229	46,952	963	969	126,228	131,801	9,655	9,637
Ariz.	181,560	205,868	51,829	44,620			14,983	21,219	4,667	3,877	96,602	124,586	13,479	11,557
Utah	398,551	347,631	206,502	125,352			71,007	97,144	8,442	5,169	110,957	118,448	1,643	1,518
Nev.	70,170	568,106	33,519	526,241			240	425	325	340	34,636	37,654	1,450	3,446
PACIFIC:														
Wash.	1,529,268	2,108,088	1,044,796	1,388,082			63,561	107,588	14,985	30,400	377,190	553,867	28,736	28,151
Ore.	397,892	506,721	97,575	111,044	12	68	56,858	61,243	8,909	14,564	221,350	307,713	13,188	12,089
Calif.	2,018,109	2,456,518	979,793	1,548,831	329,851	1,425	95,417	132,828	77,287	84,282	486,014	621,199	49,747	67,953

DIAGRAM 4.—STOCKS OF LARD REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

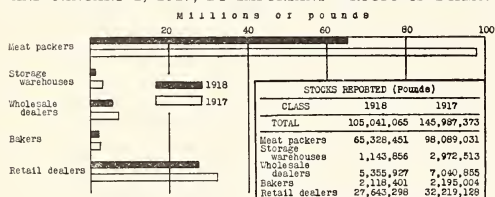
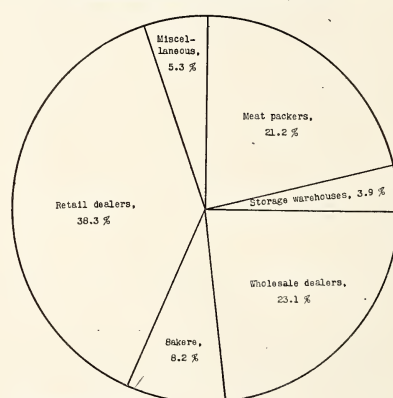


DIAGRAM 5.—DISTRIBUTION OF TOTAL STOCKS OF LARD COMPOUNDS REPORTED FOR JANUARY 1, 1918.



COMMERCIAL STOCKS OF LARD COMPOUNDS.

Lard compounds, as the term is here used, include all lard substitutes except those purely vegetable in composition, these latter

Table 5.—Stocks of lard compounds reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.	Quantity.	Per cent of 1917.
Total	80,978,949	66,317,687	95.3	69,620,458	
Meat packers.....	17,153,917	16,549,621	105.5	15,689,181	
Storage warehouses.....	3,187,893	2,272,967	127.0	1,789,082	
Cold storages.....	573,115	560,475	198.4	282,433	
Warehouses.....	2,614,778	1,712,492	143.7	1,506,649	
Wholesale dealers.....	18,699,268	16,559,499	76.5	21,634,711	
Wholesale grocers.....	15,600,862	15,073,661	74.8	18,827,070	
Meat and provision jobbers.....	1,305,435	1,147,857	126.4	908,058	
Other wholesale dealers.....	1,793,271	1,337,981	70.4	1,899,583	
Bakers.....	6,669,458	5,372,621	94.7	5,674,480	
Retail dealers.....	30,980,544	22,345,643	109.9	22,153,120	
Retail grocers.....	12,996,731	9,229,927	105.2	8,769,675	
General stores.....	16,296,527	12,267,787	96.5	12,718,094	
Retail meat markets.....	1,674,611	818,689	128.6	636,860	
Other retail dealers.....	62,685	29,240	102.6	28,491	
Miscellaneous.....	4,287,869	3,217,336	120.1	2,679,884	

STOCKS REPORTED (Pounds)	
TOTAL	80,978,949
Meat packers	17,153,917
Storage warehouses	3,187,893
Wholesale dealers	18,699,268
Bakers	6,669,458
Retail dealers	30,980,544
Miscellaneous	4,287,869

comprising the "solid vegetable cooking fats" for which data are given below. The stocks of such lard compounds in commercial channels on January 1, 1918, as reported for the Food Survey of that date, amounted to 80,978,949 pounds. Of these stocks, the meat packers held 21.2 per cent, the wholesale dealers held 23.1 per cent, and the retail dealers 38.3 per cent, the balance being held by the bakers, the storage warehouses and a miscellaneous group of concerns. The stocks reported by each of these groups, as well as by the various subgroups or classes of dealers, is shown in the first column of Table 5. These stocks are also shown graphically by groups of dealers in Diagram 5. Table 8 shows the number of firms on whose reports these figures are based.

Geographic Distribution of Stocks Reported.

The states of the West South Central division reported over two-ninths of the stocks of lard compounds in the country. The East South Central division ranked second, while the East North Central division ranked third. In comparison with the population of the various geographic divisions, all three of the Southern divisions reported relatively large stocks of this food product. Table 6 gives the stocks reported for each of the nine geographic divisions as well as for each of the 48 states. The table shows not only the total stocks for the different geographic units but also the stocks reported by each group of business concerns. Diagram 6 presents in graphic form the distribution of these stocks by geographic divisions, while Diagram 7 shows in similar manner the stocks reported for each of the 16 most important states.

DIAGRAM 6.—STOCKS OF LARD COMPOUNDS REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

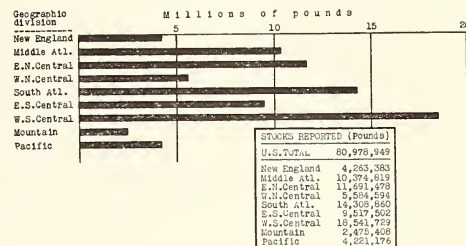


Table 6.—Stocks of lard compounds for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	WHOLESALE DEALERS.								RETAIL DEALERS.					
	TOTAL.	Meat packers.	Storage ware- houses.	Total.	Whole- sale grocers.	Meat and provision jobbers.	Other whole- sale dealers.	Bakers.	Total.	Retail grocers.	General stores.	Retail meat markets.	Other retail dealers.	Miscel- laneous.
United States	Pounds. 80,978,949	Pounds. 17,153,917	Pounds. 3,187,893	Pounds. 18,699,268	Pounds. 15,600,867	Pounds. 1,305,135	Pounds. 1,793,271	Pounds. 6,669,458	Pounds. 30,989,544	Pounds. 12,996,721	Pounds. 16,246,527	Pounds. 1,674,611	Pounds. 62,685	Pounds. 4,287,869
GEOG. DIVS.: New England Middle Atl. E. N. Central W. N. Central South Atl. E. S. Central W. S. Central Mountain Pacific	4,263,383 10,374,819 11,691,478 5,584,594 14,308,860 9,517,502 18,541,729 2,475,408 4,221,176	825,210 2,281,138 3,464,242 1,533,545 2,286,062 1,896,609 3,295,336 456,567 1,114,668	436,486 936,908 598,781 477,982 165,154 154,101 203,400 11,568 203,513	872,432 1,708,358 963,787 640,909 5,150,585 3,051,808 4,982,790 590,793 737,806	526,473 1,074,070 719,316 473,662 4,133,892 2,792,052 4,842,434 475,408 563,555	213,303 252,035 89,273 101,563 288,521 77,149 56,952 82,429 163,910	132,656 382,253 155,198 65,684 728,172 202,607 83,404 32,956 10,341	689,790 2,304,039 1,732,286 664,231 443,566 129,444 9,487,071 135,020 394,268	1,251,028 2,621,151 2,964,678 2,046,723 5,802,713 4,110,082 4,587,067 1,176,432 1,520,063	814,590 1,450,475 1,680,263 935,176 2,126,811 1,248,574 3,585,066 386,531 769,235	407,307 710,347 930,390 760,318 3,547,252 2,818,101 5,792,992 716,370 563,450	27,818 442,541 353,220 503,583 104,637 38,842 97,692 72,231 187,047	1,313 17,791 805 646 24,013 175,458 11,921 1,300 331	188,437 523,222 1,967,704 221,204 460,240 175,458 393,718 105,028 250,858
NEW ENGLAND: Me. N. H. Vt. Mass. R. I. Conn.	696,389 324,838 234,159 2,278,427 217,117 512,433	176,511 52,147 8,554 504,332 15,395 68,271	----- ----- 510 433,368 2,608 -----	104,484 68,115 35,451 491,214 40,513 132,655	56,416 55,705 32,812 323,379 7,327 50,834	46,739 11,860 2,639 138,753 6,900 6,412	1,329 550 ----- 29,082 26,286 75,409	26,160 20,205 17,916 388,371 85,429 151,709	363,987 169,466 165,181 353,150 60,554 138,690	191,919 119,038 69,994 268,865 53,027 111,777	166,492 48,266 91,482 77,470 7,132 16,465	4,789 2,106 3,375 6,745 395 10,408	787 56 360 70 ----- 40	25,247 14,925 6,547 107,992 12,618 21,108
MIDDLE ATL.: N. Y. N. J. Pa.	5,445,205 1,851,473 3,078,141	1,288,814 551,292 441,032	607,734 177,660 151,514	958,148 223,416 526,794	597,344 99,938 376,788	178,007 30,339 43,689	182,797 93,139 106,317	1,189,395 310,191 804,453	1,169,847 371,705 1,079,602	753,786 306,575 390,114	351,575 38,907 319,865	59,295 13,623 369,623	5,191 12,600 -----	231,267 217,209 74,746
E. N. CENTRAL: Ohio Ind. Ill. Mich. Wis.	1,751,607 1,387,437 5,628,205 1,751,928 1,172,901	280,945 166,492 2,461,275 273,809 281,721	317,739 136,404 123,958 13,200 7,480	268,928 114,721 166,701 270,681 142,756	202,772 102,509 112,308 166,085 135,542	180 7,800 39,002 42,041 250	65,976 4,412 15,301 62,545 250	395,406 184,944 627,022 402,163 122,751	431,713 763,033 455,309 724,433 589,990	271,090 627,903 268,246 384,494 128,530	100,769 82,152 104,558 261,156 381,755	59,764 52,803 82,625 78,403 79,625	90 175 80 380 80	56,876 21,843 1,793,740 67,642 27,003
W. N. CENTRAL: Minn. Iowa Mo. N. D. S. D. Nebr. Kan.	895,443 742,640 1,849,196 159,877 138,920 626,443 1,175,075	288,866 243,651 220,425 33,406 13,013 218,260 515,924	104,550 18,260 355,040 ----- ----- 132	131,364 34,709 292,174 2,430 21,041 908,327 50,864	38,826 23,973 247,303 1,050 20,933 90,863 50,714	67,033 7,471 24,441 1,380 ----- 1,238	25,505 3,265 20,430 ----- ----- 16,226	80,983 107,277 278,383 12,062 11,557 112,068 61,901	245,447 300,476 631,427 106,682 80,016 170,472 512,003	84,814 149,710 337,123 15,821 22,360 70,645 254,703	100,187 78,243 244,875 41,310 43,515 76,093 176,095	60,426 72,362 49,194 49,551 14,111 23,734 81,205	220 161 235 ----- 30 ----- -----	44,033 38,267 71,747 5,297 10,293 17,184 34,383
SOUTH ATL.: Del. Md. D. C. Va. W. Va. N. C. S. C. Ga. Fla.	132,515 712,211 420,544 2,047,027 896,187 2,423,186 2,051,521 3,680,509 1,939,610	6,017 222,255 81,896 265,479 178,807 383,614 210,691 654,784 282,969	2,140 37 57,620 28,510 400 ----- 1,050 ----- 75,397	11,014 91,860 58,002 843,397 254,330 923,306 695,677 1,262,583 963,813	5,114 35,289 26,838 616,920 254,330 848,509 619,817 1,156,907 570,168	5,900 54,301 28,329 127,004 ----- 600 54,640 15,561 27,680	21,585 2,270 112,055 82,170 46,603 74,197 10,748 20,254 365,965	34,677 90,505 97,491 781,685 49,376 17,770 1,104,527 1,621,555 39,103	36,677 230,555 112,055 751,685 352,875 1,048,430 1,104,527 257,654 510,920	20,507 131,656 74,940 354,368 60,396 346,147 837,446 986,479 257,654	6,230 24,965 2,180 398,266 28,242 689,749 1,935 986,479 247,728	7,940 24,965 20,371 28,713 6,882 1,890 1,935 6,403 5,478	----- 57,001 19,480 338 355 10,844 6,656 5,960 60	57,082 57,001 19,480 45,786 13,706 50,066 28,828 120,883 67,408
E. S. CENTRAL: Ky. Tenn. Ala. Miss.	1,153,528 2,659,086 2,702,146 3,002,142	129,248 491,806 705,760 509,795	116,134 34,780 2,937 250	440,600 1,078,784 752,198 780,226	338,202 1,058,512 615,902 779,436	3,000 11,387 42,762 -----	99,398 8,885 93,534 790	65,185 26,721 28,837 8,701	376,874 980,711 1,182,300 1,570,197	162,193 471,255 341,269 278,857	198,433 493,491 833,054 1,293,123	14,648 15,745 5,917 2,532	1,600 220 2,000 685	25,487 46,884 30,114 72,973
W. S. CENTRAL: Ark. La. Okla. Texas	4,802,569 4,153,995 2,479,665 7,105,800	443,414 1,243,609 241,107 1,367,206	----- 116,990 48,218 38,192	2,038,902 999,383 347,316 1,597,189	1,983,958 961,093 302,576 1,594,207	12,740 37,690 43,837 375	42,204 37,690 903 2,607	23,549 16,806 67,566 68,893	2,275,377 1,602,903 1,737,341 3,872,500	484,786 477,922 789,997 1,832,361	1,781,385 1,121,300 884,003 2,005,404	5,157 6,696 60,684 30,155	4,049 1,985 1,737 1,430	21,327 174,004 38,117 162,270
MOUNTAIN: Mont. Idaho Wyo. Colo. N. M. Ariz. Utah Nev.	274,235 195,900 73,185 683,140 600,307 357,152 250,640 40,843	72,221 18,324 7,113 209,942 600,307 29,603 79,792 12,615	900 160 ----- 5,256 ----- ----- 4,900 352	37,368 44,668 3,746 66,963 206,727 133,242 65,930 1,070	32,152 44,608 3,006 10,569 206,727 79,921 47,958 1,070	5,216 60 740 10,569 ----- 53,768 12,076 -----	----- ----- ----- 26,510 ----- 550 5,896 -----	23,282 13,484 7,878 57,609 348,830 7,478 13,233 4,624	114,684 112,248 52,758 291,316 348,830 168,515 69,973 18,108	34,807 34,826 13,239 146,612 272,891 58,005 31,354 5,852	64,971 64,352 37,691 125,105 272,891 104,880 29,023 11,056	14,906 13,070 1,828 19,579 1,280 5,630 9,596 1,200	----- ----- ----- 20 ----- ----- ----- -----	25,780 7,022 1,690 14,975 16,361 18,314 16,812 4,074
PACIFIC: Wash. Ore. Calif.	906,695 585,711 2,728,770	134,945 89,289 890,434	16,034 ----- 187,479	196,854 151,289 389,663	106,266 124,680 332,609	85,289 23,458 55,163	5,299 3,151 1,891	84,343 49,138 260,787	399,280 280,128 840,655	170,810 114,939 840,655	182,246 117,650 263,554	46,224 47,248 93,575	----- 291 -----	75,239 15,867 159,752

Comparative Figures for 1918 and 1917.

More than four-fifths of the reports received, based on the amount reported, gave information for January 1, 1917, as well as for January 1, 1918. Comparative figures for the two dates are given in the last three columns of Table 5. These figures indicate that the stocks of lard compounds held by the meat packers on the date of the survey were 5.5 per cent larger than the stocks of this group of concerns one year earlier, and the stocks of the storage warehouses were 27 per cent larger than those on the earlier date. The stocks of the wholesale dealers, however, were only 76.5 per cent, of those of January 1, 1917, and those of the bakers 94.7 per cent, while those of the retailers were almost the same on the two dates. The combined stocks of all groups of concerns were 95.3 per cent of the stocks of January 1, 1917. These comparative stocks are represented graphically in Diagram 8, while Table 7 gives comparative stocks by geographic divisions and states for the different groups of concerns as well as for all groups combined.

DIAGRAM 7.—STOCKS OF LARD COMPOUNDS REPORTED FOR THE SIXTEEN MOST IMPORTANT STATES.

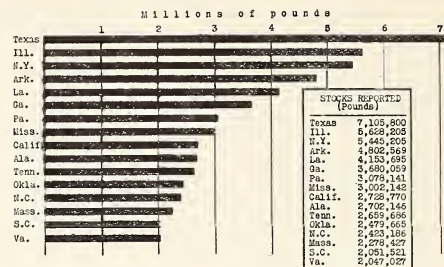


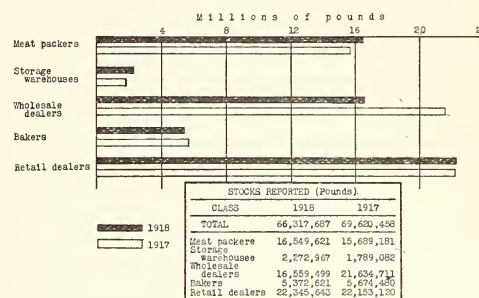
Table 7.—Comparative figures for lard compounds, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		MEAT PACKERS.		STORAGE WAREHOUSES.		WHOLESALE DEALERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States	66,317,687	69,620,458	16,549,621	15,689,181	2,272,967	1,789,082	16,559,499	21,634,711	5,372,621	5,674,480	22,345,643	22,153,120	3,217,336	2,679,984
GEOG. DIVS.:														
New England	3,598,649	3,926,371	802,802	633,184	433,378	605,633	738,739	969,496	589,985	648,119	920,355	971,217	113,390	98,722
Middle Atl.	8,382,282	8,976,984	2,226,691	2,041,134	868,731	534,229	1,402,347	2,347,564	1,865,549	1,841,742	1,583,594	1,471,106	425,970	741,209
E. N. Central	9,553,192	6,711,368	3,705,077	2,035,083	191,259	185,484	877,958	1,534,967	1,534,967	1,890,103	1,356,381	1,552,709	985,051	140,545
W. N. Central	4,422,351	4,037,921	1,507,778	1,727,725	358,532	411,250	553,860	427,717	548,790	519,392	1,311,090	1,081,292	142,301	140,545
South Atl.	11,697,117	11,831,280	2,071,932	1,951,620	3,290	5,905	4,550,351	5,091,394	386,003	422,567	4,402,093	4,064,049	283,448	295,745
E. S. Central	7,929,126	8,581,609	1,837,352	1,627,560	75,264	19,880	2,737,811	3,598,902	99,346	83,228	3,102,597	3,193,506	86,756	58,593
W. S. Central	15,422,857	19,990,478	3,244,630	4,151,873	159,002	37,632	4,585,778	7,294,051	121,359	131,187	7,153,899	8,144,944	158,189	230,791
Mountain	1,880,761	1,918,401	380,232	317,785	3,408	43,619	472,403	584,493	103,392	99,447	865,502	54,824	39,801	89,427
Pacific	3,431,352	3,615,986	1,103,727	1,183,217	180,103	215,450	640,252	636,692	292,111	393,831	1,115,410	1,037,369	99,749	89,427
NEW ENGLAND:														
Me.	601,905	576,916	176,411	137,015	-----	-----	95,989	99,656	17,953	17,764	296,521	308,068	15,031	14,383
N. H.	270,921	258,445	32,147	71,233	-----	-----	65,530	41,729	16,105	13,480	142,128	151,967	4,991	6,034
Vt.	204,847	247,833	8,554	7,669	510	590	34,951	51,749	15,941	17,724	140,579	161,262	4,312	8,839
Mass.	1,974,296	2,184,381	482,444	333,055	432,868	565,543	453,167	633,568	333,596	381,630	202,794	213,326	69,427	57,259
R. I.	172,462	252,264	15,395	29,538	-----	-----	35,573	67,457	78,079	50,568	41,787	63,930	1,628	1,271
Conn.	374,218	406,532	67,851	54,672	-----	-----	53,509	75,337	128,311	166,953	106,546	98,634	18,001	10,936
MIDDLE ATL.:														
N. Y.	4,506,416	4,792,165	1,279,314	893,219	540,361	249,950	751,304	1,596,666	952,238	986,019	865,006	895,383	180,193	170,928
N. J.	1,611,381	2,192,131	354,367	775,068	177,120	188,119	211,981	283,866	237,247	222,776	252,591	210,703	198,075	510,599
Pa.	2,202,485	1,992,688	422,410	372,847	151,250	96,160	439,062	467,032	676,064	631,947	465,997	365,020	47,702	59,682
E. N. CENTRAL:														
Ohio	1,240,945	954,419	275,585	142,249	167,129	120,556	247,545	145,532	285,244	344,839	224,541	158,738	40,601	42,505
Ind.	1,052,247	619,459	165,712	103,753	-----	-----	101,863	74,966	153,790	143,159	616,014	286,290	14,868	11,291
Ill.	5,116,676	3,185,284	2,453,371	1,283,362	3,450	51,200	156,154	164,514	495,979	564,115	276,333	244,672	1,731,789	87,421
Mich.	1,394,048	1,302,808	254,356	251,270	13,200	12,300	230,820	149,011	340,986	389,760	510,836	464,634	44,150	35,833
Wis.	749,276	697,398	215,753	274,449	7,480	1,428	141,876	90,379	100,487	95,094	262,379	202,047	21,301	18,001
W. N. CENTRAL:														
Minn.	642,734	497,430	288,866	203,245	3,100	-----	105,068	53,365	65,184	92,701	145,952	123,635	34,564	24,484
Iowa	564,851	467,513	242,115	172,416	2,660	-----	33,977	39,919	85,888	86,940	181,455	149,459	18,776	18,779
Mo.	1,505,709	1,182,964	202,691	168,798	352,640	141,250	269,356	242,246	236,806	237,133	383,210	325,635	55,006	67,902
N. D.	123,986	68,536	32,406	9,522	-----	-----	2,430	1,316	7,172	5,890	77,696	45,475	3,353	3,353
S. D.	103,607	98,272	13,013	7,663	-----	-----	20,744	32,709	9,547	7,449	54,468	43,927	5,835	6,524
Nebr.	525,325	317,737	218,188	150,827	132	-----	82,783	19,399	103,640	44,705	109,586	91,952	10,996	10,854
Kan.	956,139	1,405,469	509,499	1,015,254	-----	-----	39,502	38,763	40,553	41,574	352,743	301,209	13,842	8,669
SOUTH ATL.:														
Del.	58,208	41,148	5,502	270	2,140	420	9,564	9,082	19,153	10,393	20,497	20,219	1,352	764
Md.	598,464	662,491	217,579	195,471	225	-----	86,428	91,663	78,810	132,883	169,377	204,666	46,270	37,583
D. C.	338,842	241,478	81,896	16,995	-----	-----	57,193	43,044	110,250	108,677	77,740	67,342	9,763	5,221
Va.	1,095,027	1,474,353	251,587	214,999	-----	-----	783,631	639,308	80,471	79,399	550,441	515,525	29,494	25,122
W. Va.	745,436	490,054	170,643	108,407	100	4,000	285,735	161,474	36,093	29,431	252,083	180,954	7,882	8,508
N. C.	2,051,931	1,911,729	323,294	143,258	-----	-----	869,409	968,988	10,028	8,250	808,901	704,725	40,299	80,508
S. C.	1,707,157	1,809,640	158,128	146,032	1,050	1,260	616,734	803,866	6,088	3,473	871,791	827,790	26,366	27,219
Ga.	3,095,427	3,568,739	553,334	791,721	-----	-----	1,169,135	1,546,985	13,479	17,272	1,276,230	1,156,582	83,249	56,179
Fla.	1,408,025	1,631,648	282,969	334,467	-----	-----	672,522	826,984	31,631	35,590	375,030	386,246	45,873	48,361
E. S. CENTRAL:														
Ky.	815,313	619,339	114,474	50,209	41,134	18,680	365,881	305,300	40,080	29,772	239,600	205,214	14,144	10,164
Tenn.	2,240,044	2,441,144	490,246	569,648	33,880	1,000	953,588	1,163,141	17,721	17,225	713,018	686,838	37,991	19,292
Ark.	2,295,454	2,461,909	684,337	714,887	-----	-----	875,550	1,039,350	24,004	27,063	911,715	1,075,988	40,749	19,746
Miss.	2,572,335	2,859,277	568,295	548,266	250	200	742,767	1,089,111	7,541	8,568	1,238,415	1,196,741	15,067	16,391
W. S. CENTRAL:														
Ark.	4,129,842	4,727,701	436,014	636,811	-----	-----	1,969,675	2,446,231	12,174	13,541	1,084,739	1,628,516	17,240	12,602
La.	3,433,103	3,766,620	1,200,528	1,307,880	116,990	480	1,307,881	1,621,111	11,160	11,600	1,283,732	1,471,968	40,749	46,332
Okl.	1,834,945	2,142,854	241,082	254,049	12,203	33,820	337,763	671,948	47,566	52,192	1,172,794	1,115,062	23,537	15,783
Texas	6,022,967	8,343,303	1,366,706	1,632,833	29,809	3,332	1,475,090	2,553,361	50,708	54,294	3,024,093	3,943,398	76,561	156,085
MOUNTAIN:														
Mont.	166,523	145,923	47,414	39,044	900	-----	11,747	13,661	16,884	20,125	77,633	59,414	11,945	13,679
Idaho	148,337	131,681	8,901	8,254	-----	-----	44,668	46,958	9,554	9,843	80,656	64,324	4,558	2,702
Wyo.	48,973	45,429	2,807	-----	-----	-----	3,746	1,595	6,117	6,403	34,888	36,166	1,415	865
Colo.	569,223	615,816	205,437	178,376	2,156	43,364	93,931	141,749	44,263	42,443	214,780	204,358	8,656	5,526
N. M.	517,554	508,985	26,957	26,109	-----	-----	195,789	224,412	4,630	3,375	275,859	250,925	11,269	11,269
Ariz.	235,437	235,403	30,481	30,437	-----	-----	114,178	114,178	27,063	27,063	117,615	117,615	3,161	3,161
Utah	172,779	104,938	46,498	18,211	-----	-----	58,684	40,707	10,976	6,680	45,578	32,367	11,043	6,973
Nev.	31,781	33,202	12,615	16,110	352	255	600	1,276	4,047	3,382	11,363	10,902	2,744	1,387
PACIFIC:														
Wash.	651,503	569,160	129,347	115,983	9,364	2,666	169,456	167,620	55,810	50,808	270,389	218,138	17,107	13,945
Ore.	496,774	392,174	89,289	52,072	-----	-----	149,779	108,909	44,493	38,360	201,994	181,565	11,219	11,268
Calif.	2,283,075	2,654,652	885,091	1,015,162	170,739	212,784	320,987	420,163	191,808	304,663	643,027	637,666	71,423	64,214

Table 8.—Number of firms reporting lard compounds, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	139,554	89,860
Meat packers.....	1,139	1,030
Storage warehouses.....	111	69
Cold storages.....	29	20
Warehouses.....	82	49
Wholesale dealers.....	3,454	2,913
Wholesale grocers.....	2,713	2,371
Meat and provision jobbers.....	300	254
Other wholesale dealers.....	441	288
Bakers.....	11,542	8,227
Retail dealers.....	117,559	74,079
Retail grocers.....	64,486	39,536
General stores.....	45,718	30,958
Retail meat markets.....	7,322	3,538
Other retail dealers.....	93	47
Miscellaneous.....	5,749	3,542

DIAGRAM 8.—STOCKS OF LARD COMPOUNDS REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.



COMMERCIAL STOCKS OF SOLID VEGETABLE COOKING FATS.

The total stocks of solid vegetable cooking fats reported in the Survey of January 1, 1918, amounted to 36,156,280 pounds. The bulk of these stocks were held by wholesalers and retailers, the former reporting slightly more than three-tenths and the latter somewhat less than three-tenths of the total. The stocks held by each group of concerns from which reports were received are shown in the first column of Table 9, and are graphically represented in Diagram 9.

The number of firms reporting stocks of solid vegetable cooking fats is shown by groups and classes of dealers in Table 10.

Geographic Distribution of Stocks Reported.

The stocks reported for each geographic division as well as for the individual states are shown in Table 11. While the East North Central division again leads in stocks reported, the Southern and Pacific groups of states show considerably larger stocks on a per capita basis. The stocks reported for the entire country are shown graphically by geographic divisions in Diagram 10, while the stocks reported for the twenty most important states are similarly shown in Diagram 11. The first five states in the latter diagram, namely, Illinois, New York, Ohio, California, and Texas, together reported nearly two-fifths of the total stocks for the country.

Table 9.—Stocks of solid vegetable cooking fats reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.	Quantity.	Per cent of 1917.
Total.....	Pounds. 36,156,280	Pounds. 30,512,492	115.6	Pounds. 26,385,666	
Warehouses.....	2,230,243	1,300,096	143.5	905,781	
Wholesale dealers.....	11,834,107	10,539,312	89.6	11,766,796	
Wholesale grocers.....	9,144,621	8,045,230	85.1	9,453,215	
Meat and provision jobbers.....	425,669	380,800	138.4	275,159	
Other wholesale dealers.....	2,264,017	2,113,292	103.7	2,038,422	
Meat packers.....	2,218,299	1,924,169	113.9	1,690,054	
Bakers.....	2,499,517	2,149,483	119.3	1,801,597	
Retail dealers.....	10,438,034	7,877,753	135.7	5,804,248	
Retail grocers.....	6,576,685	5,097,845	156.8	3,250,290	
General stores.....	3,648,971	2,667,068	108.1	2,467,536	
Other retail dealers.....	212,378	112,840	130.6	86,422	
Miscellaneous.....	6,936,080	6,721,679	152.2	4,417,190	
Oil mills.....	1,724,599	1,724,599	99.9	1,726,954	
Soyap manufacturers.....	387,340	383,790	149.6	256,570	
Lard compound manufacturers.....	1,289,027	1,287,477	138.0	933,156	
Oleomargarine manufacturers.....	1,202,961	1,167,960	731.0	157,048	
Other miscellaneous.....	2,332,153	2,177,853	162.1	1,343,462	

DIAGRAM 9.—DISTRIBUTION OF TOTAL STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR JANUARY 1, 1918.

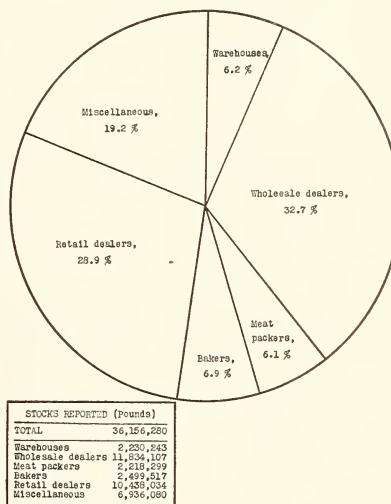


Table 10.—Number of firms reporting solid vegetable cooking fats, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	71,466	46,880
Warehouses.....	65	38
Wholesale dealers.....	2,387	2,021
Wholesale grocers.....	2,099	1,822
Meat and provision jobbers.....	63	46
Other wholesale dealers.....	225	153
Meat packers.....	308	229
Bakers.....	2,326	1,456
Retail dealers.....	64,524	41,595
Retail grocers.....	42,336	27,479
General stores.....	20,702	13,510
Other retail dealers.....	1,486	606
Miscellaneous.....	1,856	1,541
Oil mills.....	1	1
Soyap manufacturers.....	7	5
Lard compound manufacturers.....	6	4
Oleomargarine manufacturers.....	8	6
Other miscellaneous.....	1,834	1,525

Comparative Figures for 1918 and 1917.

Slightly more than five-sixths of the reports, based on stocks reported, gave information for January 1, 1917, as well as for January 1, 1918. The comparative stocks as shown by these two-year reports are given, by groups and classes of dealers, in the last three columns of Table 9, and are shown by geographic divisions and states, for each of these groups of dealers, in Table 12. The figures indicate a considerable increase in stocks of solid vegetable cooking fats for all the more important classes of dealers with the exception of the wholesale grocers. The total stocks reported for January 1, 1918, were 15.6 per cent larger than those of January 1, 1917. The relative holdings of each group of dealers on the two dates are represented in graphic form in Diagram 12.

DIAGRAM 10.—STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR JANUARY 1, 1918.—GEOGRAPHIC DISTRIBUTION.

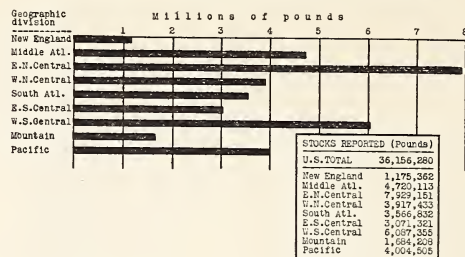


Table 11.—Stocks of solid vegetable cooking fats for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Ware-houses.	WHOLESALE DEALERS.				Meat packers.	Bakers.	RETAIL DEALERS.				Miscellaneous.
			Total.	Whole-sale grocers.	Meat and provision jobbers.	Other whole-sale dealers.			Total.	Retail grocers.	General stores.	Other retail dealers.	
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States..	36,156,280	2,230,243	11,834,107	9,144,421	425,669	2,264,017	2,218,299	2,499,517	10,438,034	6,576,685	3,648,971	212,378	6,936,089
GEOG. DIVISIONS:													
New England.....	1,175,362	58,632	288,501	216,150	59,470	12,881	57,843	246,544	393,958	325,433	61,642	6,883	129,884
Middle Atlantic.....	4,720,113	137,077	1,312,407	979,923	108,407	224,077	110,376	599,580	935,580	731,683	182,900	20,997	1,625,093
East North Central.....	7,929,151	554,352	1,041,442	896,781	36,310	108,351	482,668	599,690	879,710	567,087	260,590	52,033	4,371,289
West North Central.....	3,917,433	481,895	1,264,663	967,914	72,877	223,872	261,050	407,694	1,371,401	886,862	430,013	54,526	130,730
South Atlantic.....	3,566,832	70,186	2,023,111	1,212,748	8,050	802,313	307,983	195,231	846,978	420,954	401,752	24,272	123,343
East South Central.....	3,071,321	41,290	1,722,024	972,118	73,851	426,055	478,599	74,442	970,107	611,937	353,227	3,161	34,979
West South Central.....	6,087,355	134,149	2,703,576	2,471,124	56,840	175,612	345,925	129,920	2,348,821	1,154,715	1,179,267	14,839	424,964
Mountain.....	1,684,258	162,487	718,853	599,749	9,350	169,754	50,611	74,733	662,643	273,692	380,493	8,458	15,241
Pacific.....	4,004,505	590,265	1,009,530	827,914	514	181,102	123,274	172,043	2,028,836	1,604,325	399,087	25,424	80,557
NEW ENGLAND:													
Maine.....	157,221	4,840	18,222	16,762	36	1,424	13,861	33,835	85,909	72,671	12,820	418	554
New Hampshire.....	102,084	-----	43,953	43,204	749	-----	11,412	3,475	42,627	25,858	16,153	616	617
Vermont.....	66,081	-----	9,160	9,094	66	-----	-----	17,275	38,658	25,342	12,277	1,039	988
Massachusetts.....	613,245	45,748	137,366	79,423	57,779	164	24,889	137,989	148,378	134,526	11,411	2,441	118,875
Rhode Island.....	52,768	-----	13,217	13,217	-----	-----	10,868	493	19,059	19,450	1,017	958	3,333
Connecticut.....	183,963	8,044	55,695	54,430	840	-----	425	7,186	50,760	56,961	7,964	1,411	5,317
MIDDLE ATLANTIC:													
New York.....	2,989,454	33,917	703,474	496,370	61,808	145,296	52,397	345,574	435,416	345,627	80,557	9,232	1,418,676
New Jersey.....	487,354	-----	150,713	148,192	985	1,536	15,611	129,899	111,334	111,334	16,153	122,562	2,477
Pennsylvania.....	1,243,305	103,160	458,220	335,361	45,614	77,245	38,910	188,895	370,265	274,523	87,138	8,604	83,855
E. N. CENTRAL:													
Ohio.....	2,634,705	32,970	406,238	398,584	-----	7,704	19,582	135,129	268,841	153,252	39,428	16,161	2,183,895
Indiana.....	3,568,000	-----	155,075	134,755	-----	7,183	79,285	79,248	117,467	30,794	9,528	23,477	2,477
Illinois.....	3,279,206	379,112	194,478	165,568	1,398	27,512	330,715	195,041	249,438	142,086	98,165	9,237	1,930,372
Michigan.....	559,889	20,000	173,731	95,935	11,844	65,952	24,737	147,328	175,398	114,645	53,827	9,926	18,695
Wisconsin.....	924,498	46,200	111,939	111,939	-----	-----	28,049	42,944	128,516	72,959	48,376	7,181	566,850
W. N. CENTRAL:													
Minnesota.....	1,008,633	220,206	160,495	97,003	60	63,432	105,773	73,533	417,993	352,157	45,331	20,510	30,628
Iowa.....	549,194	-----	242,922	193,163	43,105	6,654	35,628	62,176	183,880	109,657	63,422	10,801	24,588
Missouri.....	1,088,923	187,625	467,621	293,395	29,707	144,519	8,457	148,803	233,108	160,863	65,535	6,710	43,309
North Dakota.....	107,886	-----	36,933	36,933	-----	-----	300	2,254	66,888	16,241	49,780	867	1,511
South Dakota.....	167,699	-----	13,433	13,433	-----	3,349	57,715	15,090	72,417	26,332	46,295	2,985	4,033
Nebraska.....	387,730	72,114	40,875	40,323	5	547	1,676	83,107	168,012	85,400	77,455	5,517	21,946
Kansas.....	607,377	1,950	297,382	292,011	-----	5,371	51,501	23,231	229,098	139,671	82,191	7,236	4,715
SOUTH ATLANTIC:													
Delaware.....	10,587	-----	1,476	1,476	-----	-----	-----	2,052	7,047	5,767	1,208	72	12
Maryland.....	385,955	30	164,829	18,783	-----	146,046	25,773	102,413	44,271	37,116	6,655	500	48,639
District of Columbia.....	151,898	850	72,695	46,813	-----	25,882	4,307	38,954	34,082	33,291	783	8	1,010
Virginia.....	449,208	-----	253,806	126,920	-----	126,886	50,318	16,862	92,947	64,267	27,120	1,560	35,275
West Virginia.....	328,013	66,235	155,933	155,933	-----	104	9,471	10,694	84,998	33,503	50,517	978	682
North Carolina.....	457,719	-----	190,213	135,086	8,050	94,939	37,929	110,614	111,112	58,761	10,779	729	729
South Carolina.....	310,247	-----	168,120	153,840	-----	14,280	8,270	1,375	132,083	43,876	86,651	1,556	399
Georgia.....	903,220	-----	506,378	356,008	-----	150,370	141,011	13,690	209,609	84,614	116,784	8,211	32,532
Florida.....	569,985	3,071	396,942	153,136	-----	243,806	31,013	3,596	131,297	77,407	53,723	617	4,066
E. S. CENTRAL:													
Kentucky.....	337,861	-----	185,215	115,673	-----	69,542	3,722	72,361	67,592	44,911	20,165	2,516	8,971
Tennessee.....	1,235,102	41,200	622,507	496,475	36,172	89,860	418,221	102	142,010	78,434	62,996	580	11,062
Alabama.....	982,142	-----	415,412	158,454	37,679	219,279	46,247	1,096	514,067	448,049	64,793	1,225	5,320
Mississippi.....	516,216	-----	218,890	201,516	-----	47,374	10,379	883	246,453	40,540	205,273	625	9,626
W. S. CENTRAL:													
Arkansas.....	1,636,466	48,360	1,011,215	850,590	-----	160,625	43,287	15,921	516,947	157,319	358,276	1,352	736
Louisiana.....	1,849,751	36,550	143,059	143,059	-----	-----	40,753	9,325	210,569	66,893	143,229	447	409,495
Oklahoma.....	1,248,653	16,929	409,528	401,609	-----	7,919	141,654	98,082	579,697	308,224	261,595	9,878	2,763
Texas.....	2,352,485	32,310	1,139,774	1,075,866	56,840	7,068	120,231	6,592	1,041,608	622,279	416,167	3,162	11,970
MOUNTAIN:													
Montana.....	239,389	-----	143,758	121,022	200	22,536	7,078	7,358	79,632	31,828	46,236	1,568	1,761
Idaho.....	198,474	-----	86,305	86,305	-----	-----	12,650	3,334	93,464	38,904	55,909	651	2,523
Wyoming.....	37,110	-----	8,564	6,490	-----	2,074	-----	437	23,051	11,379	16,071	407	53
Colorado.....	594,784	155,295	246,825	153,491	9,150	84,184	20,591	30,190	136,774	78,901	53,468	4,405	5,109
New Mexico.....	194,991	560	74,816	74,816	-----	-----	815	118,258	30,964	87,232	62	542	342
Arizona.....	257,930	-----	108,163	107,203	-----	960	2,302	1,565	145,132	50,112	94,720	300	768
Utah.....	136,862	6,380	47,656	47,656	-----	-----	7,990	30,674	39,862	22,324	17,039	499	4,306
Nevada.....	24,668	252	2,766	2,766	-----	-----	-----	-----	21,470	9,080	11,818	572	180
PACIFIC:													
Washington.....	956,733	219,138	234,661	212,900	-----	21,761	85,287	66,808	309,610	197,402	105,047	7,161	41,229
Oregon.....	628,890	197,067	144,719	144,719	-----	140	-----	28,534	249,569	146,996	99,453	3,120	9,001
California.....	2,418,882	174,060	630,150	470,435	514	159,201	37,987	76,701	1,469,657	1,259,927	194,587	15,143	30,327

1 Includes large stocks reported by lard compound manufacturers and soap manufacturers.

2 Includes large stocks reported by oil mills.

3 Includes large stocks reported by clemargin manufacturers, lard compound manufacturers and soap manufacturers.

DIAGRAM 11.—STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR THE EIGHTEEN MOST IMPORTANT STATES.

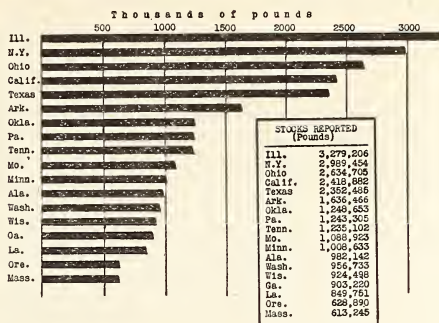


DIAGRAM 12.—STOCKS OF SOLID VEGETABLE COOKING FATS REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

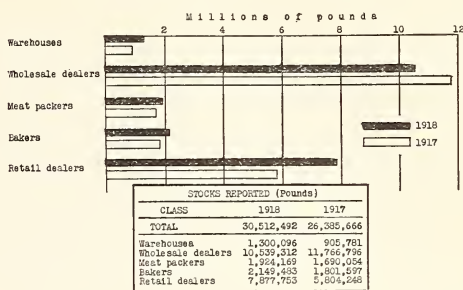


Table 12.—Comparative figures for solid vegetable cooking fats, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		WAREHOUSES.		WHOLESALE DEALERS.		MEAT PACKERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States	30,512,492	26,385,666	1,300,096	905,781	10,539,312	11,766,796	1,264,169	1,690,054	2,149,483	1,801,597	7,877,753	5,804,248	6,721,679	4,417,190
Geog. Divs.:														
New England:														
Me.	131,446	109,966	4,700	-----	17,273	28,799	11,467	2,400	25,385	11,038	72,621	67,729	-----	-----
N. H.	82,282	64,165	-----	-----	36,644	37,791	10,932	-----	3,125	600	33,964	24,966	617	808
Vt.	55,622	74,379	-----	-----	9,094	27,365	-----	-----	12,849	15,428	32,693	30,033	988	1,553
Mass.	523,743	391,170	45,730	26,908	118,738	100,745	22,333	15,277	125,698	105,426	93,853	90,704	117,391	52,110
R. I.	47,149	57,553	-----	-----	22,661	36,582	495	-----	2,800	2,885	17,637	14,611	3,526	3,775
Conn.	141,485	194,685	-----	-----	46,209	96,905	1,785	1,511	47,803	41,978	40,858	46,295	4,830	4,996
Middle Atl.:														
N. Y.	2,689,550	2,450,516	6,300	-----	623,100	475,447	40,969	29,283	301,309	412,254	332,749	326,713	1,385,123	1,206,279
N. J.	412,118	404,237	-----	-----	130,123	43,496	19,069	98,013	46,391	42,029	89,247	92,506	121,288	188,133
Pa.	1,018,174	917,674	103,160	140,080	374,222	349,234	18,755	174,539	167,073	252,195	183,309	179,197	79,197	64,163
E. N. Central:														
Ohio	2,507,109	2,301,376	32,970	90,240	388,993	177,773	19,582	38,179	107,615	93,840	131,132	96,110	1,826,817	1,804,935
Ind.	391,382	168,630	-----	-----	151,618	74,585	79,223	4,150	65,971	25,047	72,013	54,822	1,225,557	9,426
Ill.	3,041,473	1,469,894	304,016	66,502	160,704	171,391	325,066	221,561	161,157	159,007	161,633	205,653	1,928,495	642,690
Mich.	467,488	395,883	20,000	20,000	160,574	173,709	23,912	16,902	130,274	70,373	114,860	96,376	17,868	15,523
Wis.	7,687,107	205,672	46,200	46,200	91,167	52,466	27,329	14,451	22,623	18,953	88,344	51,688	511,444	21,734
W. N. Central:														
Minn.	699,144	342,102	-----	-----	125,324	83,612	105,423	93,522	68,728	31,303	371,685	101,999	27,984	31,566
Iowa	491,952	364,199	-----	-----	241,673	184,694	35,148	12,597	60,678	40,605	131,572	100,558	22,881	25,745
Mo.	933,631	968,512	187,625	159,450	41,397	535,738	7,620	250	130,231	118,334	154,892	135,951	38,866	18,789
N. D.	83,962	45,224	-----	-----	31,043	5,868	300	-----	475	875	50,847	37,297	1,297	1,184
S. D.	90,692	90,906	-----	-----	18,435	24,040	-----	-----	13,690	24,328	54,959	40,023	3,608	2,515
Neb.	292,694	247,880	21,195	5,055	39,516	86,942	1,676	6,010	81,629	21,437	128,430	115,336	20,248	13,100
Kan.	471,285	406,044	1,950	4,320	250,964	213,648	48,945	52,360	17,702	11,186	147,316	122,907	4,408	1,623
South Atl.:														
Del.	6,777	8,925	-----	-----	1,476	4,538	-----	-----	1,902	840	3,387	3,535	12	12
Md.	346,285	339,350	30	22,500	147,800	190,591	25,773	40,478	98,801	29,122	34,408	18,487	39,469	32,173
D. C.	139,632	83,188	-----	-----	70,835	11,149	1,023	2,740	38,378	42,041	28,686	26,446	1,010	812
Va.	370,393	311,057	-----	-----	232,682	212,688	48,051	32,633	13,227	5,556	69,534	56,246	6,899	3,934
W. Va.	239,158	119,142	11,780	-----	150,328	75,772	8,871	5,263	9,255	5,052	58,364	31,974	560	1,081
N. C.	387,841	316,623	-----	-----	277,790	239,413	33,680	8,248	4,995	4,395	70,648	63,521	728	1,046
S. C.	299,271	345,117	-----	-----	167,865	211,698	7,970	58,000	495	395	92,941	75,024	-----	-----
Ga.	717,174	888,024	-----	-----	438,286	480,872	100,516	268,928	13,552	10,192	151,883	115,501	3,637	3,443
Fla.	508,405	563,536	-----	-----	377,231	337,889	27,693	119,814	2,451	4,865	97,014	96,283	4,016	4,685
E. S. Central:														
Ky.	293,701	260,670	-----	-----	183,264	167,193	3,242	1,680	66,233	67,024	32,516	20,067	8,446	6,206
Tenn.	1,070,502	978,055	41,200	48,120	504,131	705,548	410,884	111,660	-----	-----	105,313	104,166	9,062	8,561
Ariz.	935,871	648,230	-----	-----	415,723	463,942	45,947	25,504	-----	-----	472,068	53,921	3,739	873
Miss.	418,512	568,340	-----	-----	221,971	418,755	10,379	3,123	560	400	177,656	140,457	7,946	5,615
W. S. Central:														
Ark.	1,390,173	1,802,814	-----	-----	973,718	1,330,063	37,993	64,772	14,765	9,252	363,004	396,806	693	1,921
Okl.	709,202	631,755	36,550	190	95,522	260,074	18,186	51,977	7,022	5,940	153,737	183,769	398,185	129,805
Texas	1,075,335	1,153,258	16,929	13,899	409,018	734,799	141,654	4,819	95,572	23,935	409,849	372,821	2,313	3,025
Texas	1,855,829	2,399,961	-----	-----	942,237	1,400,559	106,221	237,627	3,906	3,799	793,517	724,998	9,948	12,978
Mountain:														
Mont.	205,790	108,231	-----	-----	139,678	66,988	3,265	200	6,221	3,915	55,170	34,780	1,456	2,348
Idaho	145,104	87,792	-----	-----	69,780	41,185	-----	-----	2,674	3,361	70,174	42,720	2,476	526
Wyo.	25,422	26,331	-----	-----	6,490	7,673	-----	-----	-----	-----	18,914	18,643	18	15
Colo.	427,711	510,737	98,870	138,080	175,917	216,865	20,591	7,227	26,930	49,307	100,535	92,576	4,868	6,682
N. M.	153,239	212,877	-----	-----	74,366	121,273	-----	-----	815	350	77,720	90,880	538	374
Ariz.	206,571	166,483	-----	-----	95,794	82,674	-----	-----	1,075	200	106,612	83,078	718	431
Utah	109,281	86,328	3,780	8,150	44,897	34,371	2,302	180	30,674	17,470	25,658	20,249	4,272	6,088
Nev.	19,060	17,168	252	396	2,034	3,587	-----	-----	-----	-----	16,594	12,610	180	575
Pacific:														
Ore.	566,890	496,598	41,642	11,843	211,187	227,047	5,906	5,023	47,059	46,733	220,482	161,945	40,533	44,007
Gre.	521,899	261,715	197,067	38,913	106,398	64,220	-----	-----	16,690	18,943	192,794	136,592	8,950	3,047
Calif.	2,031,231	1,369,304	78,150	64,935	540,992	659,360	37,987	868	45,557	30,824	1,302,071	1,090,557	26,474	23,260

COMMERCIAL SUPPLY OF OLEO STOCK, OLEO OIL, AND EDIBLE TALLOW.

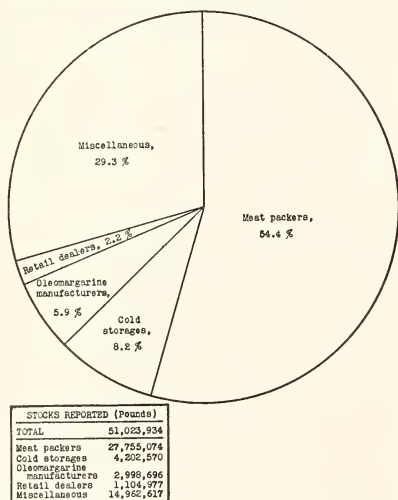
The total supply of oleo stock, oleo oil, and edible tallow reported in the Food Survey of January 1, 1918, amounted to 51,023,934 pounds. Of this amount, considerably more than half was reported by the meat packers. The cold storage warehouses held 8.2 per cent of the total and the oleomargarine manufacturers held 5.9 per cent, the balance being in possession of retail dealers and miscellaneous concerns. The stocks reported by each of these groups of business firms are given in the first column of Table 13, while the relative amounts held by the different groups are graphically represented in Diagram 13. The number of firms reporting oleo stock, oleo oil, and edible tallow is shown in Table 14.

Table 13.—*Oleo stock, oleo oil, and edible tallow reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.*

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent of 1917.	
Total.....	Pounds, 51,023,934*	Pounds, 44,927,408	109.6	Pounds, 40,991,730
Meat packers.....	27,755,074	26,350,832	136.1	19,363,516
Cold storages.....	4,202,570	2,373,266	133.9	1,771,890
Oleomargarine manufacturers.....	2,998,696	2,435,342	161.1	1,511,710
Retail dealers.....	1,104,977	686,527	106.0	647,680
Miscellaneous.....	14,962,617	13,081,441	73.9	17,696,934

*Includes 783,021 pounds reported by six firms classified as oleo renderers.

Diagram 13.—*Distribution of Total Amount of Oleo Stock, Oleo Oil, and Edible Tallow Reported for January 1, 1918.*



Geographic Distribution of Stocks Reported.

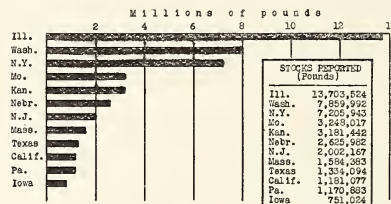
The geographic distribution of the stocks reported for the survey is shown in Table 15, which gives data for geographic divisions as well as for the individual states. These stocks are also shown

graphically for the twelve most important states in Diagram 14. Illinois, it will be noticed, led all other states in stocks of this food commodity by a very wide margin. In fact, Illinois alone reported not far from one-fourth of all the stocks reported for the entire country. More than two-thirds of the Illinois stocks were held by the meat packers. The states of Washington and New York each held more than twice as much as any other one state with the exception of Illinois.

Table 14.—*Number of firms reporting oleo stock, oleo oil, and edible tallow, by classes of business.*

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	16,450	9,522
Meat packers.....	238	194
Cold storages.....	18	11
Oleomargarine manufacturers.....	21	17
Retail dealers.....	12,958	7,293
Miscellaneous.....	3,215	2,007

Diagram 14.—*Oleo Stock, Oleo Oil, and Edible Tallow Reported for the Twelve Most Important States.*



Comparative Figures for 1918 and 1917.

Nearly nine-tenths of the reports, based on quantity reported, gave information for January 1, 1917, as well as for January 1, 1918. The comparative stocks for the two dates, as indicated by these two-year schedules, are shown in the last three columns of Table 13 and are graphically represented in Diagram 15. As indicated by these figures, the stocks on hand at the date of the survey were 9.6 per cent larger than the stocks on hand a year earlier. This increase was largely the result of increased holdings by the meat packers. Comparative figures are also shown by geographic divisions and states in Table 16.

Diagram 15.—*Oleo Stock, Oleo Oil, and Edible Tallow Reported for January 1, 1918, and January 1, 1917, by Important Groups of Firms.*

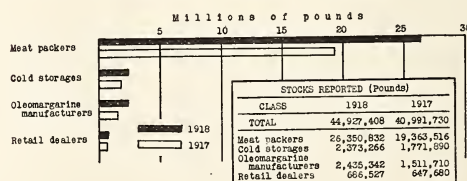


Table 15.—Quantity of oleo stock, oleo oil, and edible tallow reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Meat packers.	Cold storages.	Oleomargarine manufacturers.	Retail dealers.	Miscellaneous.
	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
United States	51,023,934	27,755,074	4,202,570	2,998,696	1,104,977	14,962,617
GEOG. DIVS.						
New England	2,397,735	1,151,326	117,564	284,085	120,678	724,072
Middle A.L.	10,378,993	3,165,534	3,037,636	635,446	234,751	3,265,026
E. N. Central	15,443,277	11,070,505	917,090	1,921,277	274,491	1,259,914
W. N. Central	10,361,713	9,606,480	80	117,742	140,302	497,109
South A.L.	593,853	220,056	69,122	20,146	40,712	243,887
E. S. Central	148,595	41,329	37,500	—	20,172	49,594
W. S. Central	2,168,836	1,788,922	—	—	91,342	288,572
Mountain	458,419	330,174	—	—	55,026	23,219
Pacific	9,072,523	330,718	3,578	—	127,503	8,610,724
NEW ENGLAND:						
Me.	98,062	2,735	—	—	8,571	86,756
N. H.	31,435	26,720	—	—	2,788	1,987
Vt.	6,278	990	—	—	3,042	2,246
Mass.	1,584,383	919,076	—	1,678	93,671	569,958
R. I.	529,686	112,366	117,564	282,407	4,294	13,055
Conn.	147,821	89,439	—	—	8,312	50,070
MIDDLE ATL.						
N. Y.	7,205,943	1,716,888	2,690,080	17,400	111,402	2,670,173
N. J.	2,002,167	554,557	367,556	601,862	26,295	451,897
Pa.	1,170,883	894,089	—	36,184	97,054	143,556
E. N. CENTRAL:						
Ohio	498,657	156,100	7,090	100,920	72,834	161,713
Ind.	448,194	382,453	—	—	30,856	34,885
Ill.	13,703,524	10,211,291	910,000	1,537,031	66,490	978,712
Mich.	280,447	190,613	—	6,122	62,493	51,219
Wis.	512,455	100,048	—	277,204	41,818	33,385
W. N. CENTRAL:						
Minn.	509,195	462,393	—	—	25,703	21,099
Iowa	751,024	649,838	—	—	37,588	63,598
Mo.	3,248,017	2,813,675	—	117,742	24,854	291,746
N. D.	11,067	—	—	—	6,736	4,331
S. D.	34,986	8,161	—	—	5,474	21,351
Nehr.	2,625,982	2,526,547	—	—	16,754	82,681
Kan.	3,181,442	3,145,866	80	—	23,193	12,303
SOUTH ATL.						
Del.	5,824	—	1,332	—	291	4,201
Md.	438,714	172,599	45,300	20,146	6,163	194,505
D. C.	43,453	12,000	22,490	—	2,127	6,836
Va.	20,916	12,087	—	—	7,565	1,264
W. Va.	43,938	6,930	—	—	8,901	28,017
N. C.	5,678	1,811	—	—	2,249	1,618
S. C.	3,709	—	—	—	3,441	268
Ga.	13,041	4,259	—	—	5,536	3,246
Fla.	18,580	10,400	—	—	4,349	3,831
E. S. CENTRAL:						
Ky.	84,119	2,801	375,000	—	5,101	38,717
Tenn.	10,129	—	—	—	4,463	5,666
Ala.	12,644	3,128	—	—	4,819	4,697
Miss.	41,703	35,400	—	—	5,789	514
W. S. CENTRAL:						
Ark.	24,008	6,668	—	—	9,715	7,625
La.	206,464	1,117	—	—	12,711	192,636
Okl.	604,270	577,550	—	—	23,314	3,406
Texas	1,354,094	1,203,587	—	—	45,502	84,905
MOUNTAIN:						
Mont.	16,175	3,100	—	—	6,414	6,661
Idaho	9,832	3,480	—	—	5,951	491
Wyo.	3,476	820	—	—	2,534	122
Colo.	342,901	312,806	—	—	26,474	3,621
N. M.	9,100	—	—	—	4,216	4,884
Ariz.	4,189	—	—	—	3,879	310
Utah	46,134	38,430	—	—	3,333	4,371
Nev.	26,612	21,535	—	—	2,225	2,849
PACIFIC:						
Wash.	7,859,992	303,540	3,578	—	36,830	7,516,044
Ore.	31,454	2,759	—	—	12,272	16,423
Calif.	1,181,077	24,419	—	—	78,401	1,078,257

Table 16.—Comparative figures for oleo stock, oleo oil, and edible tallow—all classes of business combined, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	January 1, 1918.	January 1, 1917.
	Pounds.	Pounds.
United States	44,927,498	40,991,730
GEOGRAPHIC DIVISIONS:		
New England	1,932,635	1,222,532
Middle Atlantic	8,878,065	5,351,153
East North Central	11,934,602	9,666,680
West North Central	10,054,366	6,233,515
South Atlantic	548,283	345,664
East South Central	98,831	49,412
West South Central	2,109,626	1,741,825
Mountain	399,364	258,617
Pacific	8,971,636	16,122,332
NEW ENGLAND:		
Maine	94,483	30,384
New Hampshire	29,687	25,410
Vermont	3,877	4,296
Massachusetts	1,562,207	1,025,496
Rhode Island	139,682	76,821
Connecticut	102,699	60,125
MIDDLE ATLANTIC:		
New York	5,852,654	3,335,477
New Jersey	1,977,778	1,193,535
Pennsylvania	1,047,633	822,141
EAST NORTH CENTRAL:		
Ohio	375,855	378,634
Indiana	422,698	318,473
Illinois	10,705,516	8,671,276
Michigan	224,924	153,083
Wisconsin	205,609	145,214
WEST NORTH CENTRAL:		
Minnesota	496,372	644,301
Iowa	675,254	491,327
Missouri	3,117,874	1,325,259
North Dakota	4,321	6,099
South Dakota	24,836	6,030
Nebraska	2,564,794	1,656,868
Kansas	3,170,915	2,103,631
SOUTH ATLANTIC:		
Delaware	4,760	430
Maryland	430,183	276,478
District of Columbia	38,086	26,667
Virginia	15,031	12,323
West Virginia	37,351	17,059
North Carolina	3,162	3,666
South Carolina	1,399	1,228
Georgia	6,061	5,348
Florida	12,250	2,465
EAST SOUTH CENTRAL:		
Kentucky	44,690	3,826
Tennessee	4,537	4,700
Alabama	10,667	11,337
Mississippi	38,937	29,549
WEST SOUTH CENTRAL:		
Arkansas	15,076	6,735
Louisiana	200,710	151,778
Oklahoma	589,073	201,835
Texas	1,304,767	1,351,477
MOUNTAIN:		
Montana	9,062	11,049
Idaho	6,508	4,848
Wyoming	3,073	3,985
Colorado	323,091	168,191
New Mexico	2,481	2,696
Arizona	2,348	2,794
Utah	30,044	8,595
Nevada	22,697	56,459
PACIFIC:		
Washington	7,843,559	15,315,457
Oregon	10,381	7,490
California	1,117,696	799,385

COMMERCIAL STOCKS OF COTTONSEED OIL.

The stocks of cottonseed oil in commercial channels on January 1, 1918, as reported in the War Emergency Food Survey of that date, amounted to 39,057,250 gallons. Of these stocks nearly seven-tenths were reported by the oil mills. The meat packers reported slightly more than one-eighth, the balance being held by warehouses, wholesale dealers, retail dealers, bakers and a miscellaneous group of concerns. The large holdings of the oil mills are explained partly by the fact that practically all our edible cottonseed oil is produced in this country, the estimated domestic production for the calendar year 1917 being 160,000,000 gallons, while the imports during the year were less than 2,000,000 gallons. The stocks reported by each of these groups of firms, as well as by the various subgroups or classes of dealers, are given in the first column of Table 17, while the relative stocks reported by the various groups are shown graphically in Diagram 16. The number of schedules received and tabulated for stocks of cottonseed oil is shown in Table 18.

Table 17.—Stocks of cottonseed oil reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent. of 1917.	
Total.....	Gallons. 39,057,250	Gallons. 34,383,879	82.8	Gallons. 41,515,190
Oil mills.....	27,153,115	25,727,413	108.0	23,828,521
Warehouses.....	3,192,562	552,476	240.8	229,388
Wholesale dealers.....	946,735	824,823	91.9	897,906
Wholesale grocers.....	633,130	554,938	82.8	670,235
Other wholesale dealers.....	313,615	269,890	118.5	227,574
Meat packers.....	5,379,331	5,342,791	37.2	14,362,600
Bakers.....	499,470	413,843	74.6	554,777
Retail dealers.....	975,586	706,752	88.8	796,262
Retail grocers.....	640,064	472,303	85.4	553,181
General stores.....	314,696	225,950	96.9	233,253
Other retail dealers.....	20,826	8,499	86.5	9,828
Miscellaneous.....	910,451	815,776	96.5	845,736
Lard compound manufacturers.....	396,213	395,916	80.2	493,419
Oleomargarine manufacturers.....	190,504	176,730	129.7	136,273
Other miscellaneous.....	323,834	243,130	112.5	216,044

Diagram 16.—Distribution of Total Stocks of Cottonseed Oil Reported for January 1, 1918.

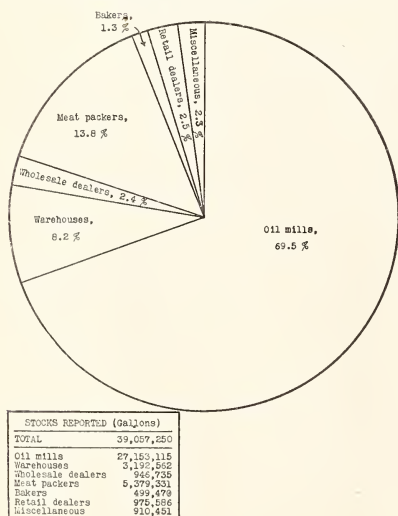


Table 18.—Number of firms reporting cottonseed oil, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total.....	58,430	41,391
Oil mills.....	551	483
Warehouses.....	107	65
Wholesale dealers.....	2,662	2,225
Wholesale grocers.....	2,270	1,931
Other wholesale dealers.....	392	294
Meat packers.....	297	256
Bakers.....	4,810	3,482
Retail dealers.....	46,675	32,664
Retail grocers.....	36,873	26,000
General stores.....	9,115	6,300
Other retail dealers.....	687	364
Miscellaneous.....	3,328	2,216
Lard compound manufacturers.....	8	6
Oleomargarine manufacturers.....	48	15
Other miscellaneous.....	3,302	2,195

Geographic Distribution of Stocks Reported.

The geographic distribution of these stocks is shown, by groups of concerns, in Table 19. Figures are given for geographic divisions as well as for states. The distribution by geographic divisions is also graphically represented in Diagram 17, while the stocks reported for the twelve most important states are similarly represented in Diagram 18. The West South Central division, it will be noticed, reported nearly one-third of the total stocks for the entire country. The other two Southern divisions of states also reported large stocks of this commodity. Texas ranked first as a holder of cottonseed oil, with Georgia a fairly close second. New York ranked third and Louisiana fourth. A glance at Table 19 shows that the stocks of Texas, Georgia, and Louisiana were reported very largely by the oil mills, while those of New York were reported mainly by warehouses.

Diagram 17.—Stocks of Cottonseed Oil Reported for January 1, 1918—Geographic Distribution.

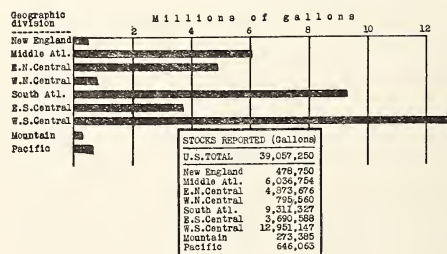
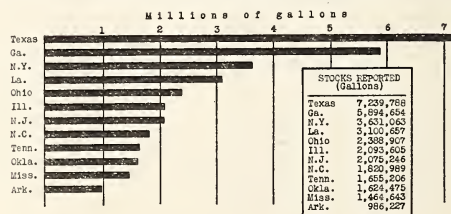


Diagram 18.—Stocks of Cottonseed Oil Reported for the Twelve Most Important States.



Comparative Figures for 1918 and 1917.

Nearly nine-tenths of the reports received, based on the quantity reported, gave information for January 1, 1917, as well as for January 1, 1918. Comparative figures based on these two-year reports indicate that the stocks on hand on the date of the Survey were only 82.8 per cent of those on the earlier date. Comparative stocks for each group of concerns are shown in the last three columns of Table 17 and are graphically represented in Diagram 19. The stocks of the oil mills, it may be noted, show a slight increase, while the stocks of the meat packers on January 1, 1918, were only 37.2 per cent of those of a year earlier. The stocks of the other groups of concerns were relatively unimportant on both dates. Comparative figures are also given by states as well as by geographic divisions, for each group of firms, in Table 20.

DIAGRAM 19.—STOCKS OF COTTONSEED OIL REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917.

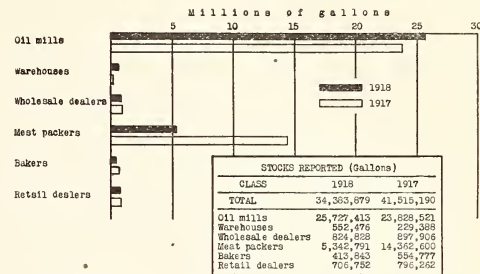


Table 19.—Stocks of cottonseed oil reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	WHOLESALE DEALERS.						RETAIL DEALERS.					
		Oil mills.	Warehouses.	Total.	Wholesale grocers.	Other wholesale dealers.	Meat packers.	Bakers.	Total.	Retail grocers.	General stores.	Other retail dealers.	Miscellaneous.
United States.....	39,057,250	27,153,115	3,192,562	946,735	633,120	313,615	5,379,331	499,470	975,586	640,064	314,696	20,826	910,451
GEOGRAPHIC DIVISIONS:													
New England.....	478,750	281,537	15,943	47,114	38,167	8,947	1,628	28,296	49,742	46,929	2,390	423	54,490
Middle Atlantic.....	6,036,754	2,030,232	2,830,908	323,279	213,069	110,210	407,725	159,670	236,056	202,864	29,497	3,695	48,884
East North Central.....	4,873,676	2,891,868	111,676	133,926	85,329	48,597	1,088,587	156,994	63,542	13,088	2,467	411,528	
West North Central.....	795,560	150	44,693	25,329	21,301	4,028	559,453	80,368	35,227	21,879	9,739	3,609	50,340
South Atlantic.....	9,311,327	8,730,772	122,949	99,796	42,373	57,425	222,967	32,314	57,584	30,228	26,724	632	44,923
East South Central.....	3,690,588	3,408,720	2,256	68,417	47,414	20,973	163,004	8,878	24,851	14,738	10,028	85	14,462
West South Central.....	12,951,147	9,703,572	3,471	132,144	91,357	40,787	2,561,631	6,850	308,735	131,134	174,427	3,174	234,744
Mountain.....	273,385	215,758	9,548	29,345	21,910	7,435	175,678	5,026	28,480	13,600	13,282	1,598	3,730
Pacific.....	646,063	84,686	51,118	87,383	72,170	15,213	198,638	21,074	155,814	115,150	35,521	5,143	47,350
NEW ENGLAND:													
Maine.....	16,406	1,750	1,140	461	314	147	54	697	1,730	1,131	583	16	10,574
New Hampshire.....	5,322	-----	-----	1,375	1,375	-----	-----	773	2,307	1,976	198	133	867
Vermont.....	1,996	-----	-----	201	201	-----	-----	440	1,220	901	319	-----	135
Massachusetts.....	94,266	-----	2,748	33,136	24,920	8,200	1,534	18,329	22,699	22,160	665	74	15,620
Rhode Island.....	319,609	279,787	2,904	4,654	4,263	591	-----	2,720	5,045	4,870	175	-----	21,999
Connecticut.....	41,151	-----	9,151	7,087	7,086	1	40	5,337	16,541	15,891	450	200	2,995
MIDDLE ATLANTIC:													
New York.....	3,631,063	397,828	2,781,261	215,831	139,068	76,763	4,581	83,966	116,157	110,172	5,103	882	31,437
New Jersey.....	2,075,231	1,629,684	73	14,860	11,660	3,199	3,462	373,323	13,087	32,826	1,264	572	4,357
Pennsylvania.....	330,445	2,720	49,574	92,588	62,341	30,247	24,821	62,615	85,237	59,866	23,130	2,241	12,890
EAST NORTH CENTRAL:													
Ohio.....	2,388,907	2,260,606	2,332	31,460	30,927	533	1,691	53,133	23,571	21,189	1,646	736	16,114
Indiana.....	147,030	-----	98,615	17,934	4,825	13,109	9,004	6,730	5,738	706	206	5,105	
Illinois.....	2,093,605	602,173	838	37,033	33,708	3,325	993,722	53,565	28,746	21,151	6,683	912	377,528
Michigan.....	166,383	29,089	1,176	37,494	9,796	27,698	61,666	21,322	11,092	8,677	2,144	271	4,511
Wisconsin.....	77,751	-----	8,715	10,005	6,073	3,932	22,666	19,170	8,958	6,787	1,829	342	8,237
WEST NORTH CENTRAL:													
Minnesota.....	39,477	-----	7,043	8,618	7,329	1,289	2,643	9,871	8,026	5,446	1,889	691	3,276
Iowa.....	66,488	-----	3,262	4,189	4,150	39	39,880	13,329	4,019	3,072	776	171	1,809
Missouri.....	363,269	150	30,338	5,706	3,546	2,160	234,836	36,920	10,816	8,661	1,346	809	44,503
North Dakota.....	5,200	-----	-----	1,669	1,135	534	247	322	2,998	399	2,240	259	64
South Dakota.....	19,811	-----	-----	1,718	1,705	6	10,822	1,636	1,141	477	534	30	31
Nebraska.....	227,448	-----	-----	1,757	1,757	-----	55,787	16,866	4,023	2,000	1,738	215	604
Kansas.....	-----	4,050	1,679	1,679	-----	-----	215,738	1,424	4,304	1,824	1,126	1,354	53
SOUTH ATLANTIC:													
Delaware.....	22,095	-----	-----	604	71	533	-----	513	1,023	979	44	-----	19,955
Maryland.....	169,575	-----	94,500	26,968	2,606	24,362	28,870	8,128	3,660	2,171	1,230	299	7,449
District of Columbia.....	23,975	-----	6,022	2,153	2,153	-----	716	9,369	3,729	3,531	18	180	1,986
Virginia.....	550,577	460,838	20,500	30,020	5,111	24,909	19,645	2,761	13,559	2,956	10,582	21	3,254
West Virginia.....	16,374	-----	1,063	6,606	5,550	1,056	-----	3,148	5,255	2,370	2,848	37	302
North Carolina.....	1,820,899	1,807,343	-----	7,044	4,076	2,968	215	385	5,329	2,135	3,194	-----	673
South Carolina.....	662,852	653,606	-----	3,149	2,943	206	-----	4,177	2,185	1,982	10	-----	1,630
Georgia.....	5,894,654	5,681,614	864	15,402	13,913	1,489	173,541	4,067	14,391	9,282	5,016	93	4,775
Florida.....	150,236	127,371	-----	7,852	5,950	1,902	-----	3,653	6,461	4,619	1,760	82	4,899
EAST SOUTH CENTRAL:													
Kentucky.....	51,118	34,115	950	7,318	1,771	5,547	189	3,886	2,806	1,353	1,438	15	1,854
Tennessee.....	1,655,206	1,621,396	1,306	13,920	6,689	7,231	1,373	3,316	7,265	5,128	2,087	60	6,620
Alabama.....	519,621	466,612	-----	37,884	35,002	2,882	742	1,119	7,632	5,089	2,538	5	5,632
Mississippi.....	1,464,643	1,286,597	-----	9,295	3,982	5,313	160,700	557	7,138	3,168	3,965	5	356
WEST SOUTH CENTRAL:													
Arkansas.....	986,227	913,044	-----	43,494	6,222	37,272	51	1,839	27,460	4,312	20,973	2,175	339
Louisiana.....	3,100,657	2,433,397	-----	11,768	11,593	175	493,993	1,634	39,872	12,956	26,850	66	119,993
Oklahoma.....	1,624,475	393,162	2,137	6,976	4,839	2,137	750,771	265	24,946	16,643	7,825	478	218
Texas.....	7,239,788	5,517,969	1,334	69,906	68,703	1,203	1,316,816	3,112	216,457	97,223	118,779	455	114,194
MOUNTAIN:													
Montana.....	14,386	-----	-----	3,877	3,827	50	4,470	1,344	3,708	2,065	1,522	121	967
Idaho.....	5,340	-----	-----	2,423	2,348	75	30	331	2,440	1,108	1,069	263	116
Wyoming.....	2,430	-----	-----	207	207	-----	-----	-----	2,181	305	1,704	172	42
Colorado.....	186,865	-----	6,426	10,609	3,322	6,96	158,226	1,695	4,867	4,560	2,785	652	1,632
New Mexico.....	3,012	-----	-----	5,459	5,423	36	-----	189	2,299	1,643	66	-----	1,643
Arizona.....	30,162	21,578	-----	3,410	3,410	-----	-----	302	4,715	2,269	2,391	55	157
Utah.....	12,765	-----	3,100	3,053	2,686	367	2,203	1,121	2,682	1,222	999	61	606
Nevada.....	13,425	-----	22	227	227	-----	10,749	44	2,258	1,081	1,169	8	125
PACIFIC:													
Washington.....	47,436	-----	676	12,137	11,801	336	4,593	6,295	21,033	13,956	6,053	1,024	2,702
Oregon.....	43,963	-----	550	11,864	9,996	1,868	6,320	1,818	22,260	14,744	5,071	2,445	1,151
California.....	554,664	84,686	49,892	63,382	50,373	13,009	187,725	12,961	112,521	86,450	24,397	1,674	43,497

Table 20.—Comparative figures for cottonseed oil, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		OIL MILLS.		WAREHOUSES.		WHOLESALE DEALERS.		MEAT PACKERS.		BAKERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
United States	34,383,879	41,515,190	25,727,413	23,828,521	552,476	229,388	824,828	897,906	5,342,791	14,362,600	413,843	554,777	706,752	796,262	815,776	845,736
GEOG. DIVISIONS:																
New England:	425,272	411,071	281,537	222,968	11,044	10,823	42,132	68,424	1,603	969	21,407	36,274	34,520	39,672	33,032	31,941
Middle Atl.	3,367,559	2,787,085	1,966,321	1,675,274	376,201	121,734	283,830	309,539	404,416	276,664	132,679	156,372	168,835	214,402	35,277	33,100
E. N. Central	4,680,288	6,240,466	2,889,105	1,468,214	7,635	16,063	119,827	102,420	1,083,309	4,026,060	130,397	158,829	54,554	65,524	395,461	403,356
W. N. Central	769,202	2,288,568	150	150	42,036	29,493	23,351	29,650	559,439	2,022,396	73,092	134,602	23,749	23,494	47,385	48,783
South Atl.	8,994,375	8,847,355	8,504,048	8,115,460	95,885	22,077	94,700	91,766	215,494	529,075	27,625	32,462	39,655	32,245	16,908	24,270
E. S. Central	3,460,491	3,220,994	3,207,914	2,917,424	1,250	15,390	61,308	39,950	161,527	204,516	7,660	12,256	17,323	16,995	12,506	14,543
W. S. Central	11,896,526	16,093,265	8,781,018	9,402,999	3,469	2,121	91,643	137,947	2,537,931	6,028,206	4,535	6,579	228,834	268,545	229,096	246,863
Mountain	252,533	320,827	21,578	20,981	6,448	4,353	27,117	15,404	170,662	254,354	3,636	4,295	19,854	19,114	3,328	2,326
Pacific	528,633	1,305,559	75,742	5,051	8,511	7,394	80,920	102,826	188,410	1,020,360	12,812	13,108	119,428	116,271	42,810	40,549
NEW ENGLAND:																
Me.	7,637	14,553	1,750	1,475	1,140	5,220	402	844	44	443	594	317	1,043	1,254	2,664	5,000
N. H.	4,254	7,307	-----	-----	-----	-----	1,230	1,013	-----	-----	688	1,430	1,584	1,605	752	3,259
Vt.	1,784	2,259	-----	-----	-----	-----	201	419	-----	-----	440	473	1,079	1,283	64	84
Mass.	75,838	118,029	-----	-----	750	2,351	30,567	54,207	1,519	486	13,875	28,165	17,140	19,339	11,987	13,481
R. I.	304,680	239,591	279,787	221,493	-----	-----	3,947	3,720	-----	-----	2,375	1,792	3,261	4,142	15,310	8,444
Conn.	31,079	29,332	-----	-----	9,151	3,252	5,785	8,221	40	40	3,435	4,067	10,413	12,049	2,255	1,673
MIDDLE ATL.:																
N. Y.	1,068,485	786,913	333,917	259,282	355,889	80,934	193,191	214,526	4,481	3,227	68,080	90,536	89,849	115,577	23,078	22,831
N. J.	2,056,285	1,719,435	1,029,934	1,415,307	73	1,080	11,927	15,826	378,285	239,231	10,561	15,046	24,134	29,878	1,586	3,020
Pa.	242,789	289,737	2,720	685	20,239	39,720	78,712	79,157	21,650	34,206	54,003	50,743	54,832	68,947	10,613	7,249
E. N. CENTRAL:																
Ohio	2,364,796	932,459	2,258,393	811,698	1,106	4,465	25,728	22,536	1,475	2,230	47,504	42,277	16,611	18,282	13,979	30,971
Ind.	43,951	37,944	-----	-----	-----	-----	17,477	10,581	8,790	8,854	5,789	13,050	4,638	4,587	4,257	912
Ill.	2,059,304	4,984,735	601,623	578,759	838	2,899	31,356	27,981	990,982	3,917,350	41,338	64,815	20,886	26,030	372,681	366,901
Mich.	154,748	284,819	29,089	77,757	1,176	4,184	35,453	33,422	61,666	61,365	16,724	17,372	7,035	7,232	3,605	3,487
Wis.	57,489	80,509	-----	-----	4,515	4,515	9,813	7,950	20,396	36,261	16,042	21,315	5,784	9,383	939	1,085
W. N. CENTRAL:																
Minn.	32,708	30,561	-----	-----	5,148	1,945	8,261	8,536	2,643	8,851	8,329	3,366	5,578	6,767	2,749	1,096
Iowa	63,447	48,985	-----	-----	2,500	1,400	4,118	2,173	39,880	5,167	12,366	34,879	2,970	2,553	1,613	2,813
Mo.	354,636	622,177	150	150	30,338	21,722	5,590	8,886	234,836	488,279	33,544	50,876	7,675	7,825	42,503	44,439
N. D.	3,531	3,670	-----	-----	-----	-----	1,135	795	247	754	61	240	2,035	1,877	53	4
S. D.	13,754	2,583	-----	-----	-----	-----	1,464	679	10,322	396	1,305	980	634	514	29	5
Neb.	77,112	219,242	-----	-----	76	-----	8,079	55,773	166,149	16,613	43,226	2,569	1,310	400	402	402
Kan.	224,014	1,361,350	4,050	4,350	-----	-----	1,026	502	215,738	1,352,800	874	1,026	2,288	2,648	38	24
SOUTH ATL.:																
Del.	1,728	4,818	-----	-----	-----	-----	592	2,689	-----	-----	483	1,567	653	562	7,117	7,907
Md.	164,009	97,641	-----	-----	94,500	17,625	25,553	21,897	27,582	36,592	7,178	10,928	2,079	2,692	-----	-----
D. C.	15,794	16,332	-----	-----	-----	-----	2,056	2,144	716	444	9,249	9,271	2,303	2,684	1,470	1,839
Va.	522,435	791,139	460,838	737,144	-----	-----	29,833	33,453	15,407	10,571	2,553	3,536	12,440	5,297	1,364	1,138
W. Va.	10,682	9,645	-----	-----	521	200	5,995	4,819	-----	-----	325	850	3,702	3,662	139	114
N. C.	1,721,383	1,679,272	1,709,905	1,072,303	-----	-----	6,849	4,027	215	-----	331	366	3,480	2,120	603	456
S. C.	612,775	792,937	606,564	-----	-----	-----	1,917	2,151	-----	-----	220	524	2,713	2,649	1,361	1,080
Ga.	5,802,541	5,166,219	5,599,370	4,644,927	864	4,252	14,428	12,813	171,574	481,468	3,915	2,727	9,180	9,437	3,210	10,595
Fla.	143,028	289,352	127,371	274,553	-----	-----	7,477	7,773	-----	-----	3,371	2,693	3,105	3,192	1,704	1,141
E. S. CENTRAL:																
Ky.	47,832	497,307	34,115	476,973	-----	-----	7,061	3,846	189	340	3,180	3,810	2,241	1,882	1,046	781
Tenn.	1,501,043	1,068,956	1,472,289	1,017,539	1,250	5,655	12,957	20,042	60	-----	3,267	6,558	5,119	6,047	6,101	13,115
Ala.	499,831	679,009	450,772	658,917	-----	-----	37,403	10,704	578	3,628	747	911	5,059	4,265	5,272	584
Miss.	1,420,785	975,722	1,250,738	763,995	-----	-----	3,887	5,338	160,700	200,548	466	977	4,904	4,801	90	63
W. S. CENTRAL:																
Ark.	927,175	543,714	892,320	508,924	-----	-----	14,383	13,437	-----	-----	1,034	1,165	19,167	19,518	271	670
La.	2,963,563	4,368,758	2,320,753	3,515,124	-----	-----	5,813	17,376	490,397	696,634	1,516	2,258	28,310	27,601	116,774	109,765
Okla.	1,587,289	3,126,689	809,838	637,359	2,137	796	6,975	27,951	750,771	2,430,378	242	423	17,154	20,658	172	124
Texas.	6,418,499	8,054,104	4,758,107	4,741,592	1,332	1,325	64,472	79,183	1,316,763	2,892,194	1,743	2,733	164,203	200,768	111,879	136,309
MOUNTAIN:																
Mont.	7,617	4,916	-----	-----	-----	-----	3,427	1,201	469	-----	1,103	483	1,743	2,028	875	1,204
Idaho	4,186	2,716	-----	-----	-----	-----	2,003	780	30	40	216	72	1,835	1,736	102	88
Wyo.	2,043	1,906	-----	-----	-----	-----	2,037	987	-----	-----	1,814	1,694	22	15	22	15
Colo.	182,045	270,740	-----	-----	6,426	4,302	10,152	7,960	157,403	249,443	1,041	3,098	5,672	5,426	1,351	511
N. M.	7,507	3,507	-----	-----	-----	-----	5,223	2,278	-----	-----	109	19	1,919	1,437	56	49
Ariz.	28,179	25,639	21,578	20,981	-----	-----	3,351	1,603	-----	-----	2	3	3,142	2,954	106	98
Utah	8,020	8,971	-----	-----	-----	-----	2,365	1,072	2,011	4,552	1,121	570	1,922	2,500	601	277
Nev.	12,936	2,042	-----	-----	22	27	189	223	10,749	319	44	50	1,807	1,339	125	84
PACIFIC:																
Wash.	36,279	63,541	-----	4,949	451	405	10,030	13,922	4,527	28,945	2,611	1,914	16,880	11,676	1,780	1,730
Ore.	36,858	39,682	-----	-----	556	293	11,480	8,682	6,320	10,786	1,371	1,525	16,178	14,677	959	1,076
Calif.	455,496	1,202,336	75,742	102	7,510	4,053	59,410	80,222	177,563	980,629	8,830	9,669	86,370	89,918	40,071	37,743

COMMERCIAL STOCKS OF OLIVE OIL.

The commercial stocks of olive oil reported in the Food Survey of January 1, 1918, amounted to 3,921,877 gallons. Of these stocks the retail dealers held 44.8 per cent, the wholesale dealers 28.6 per cent, and the storage warehouses 14.1 per cent, the balance being held by oil mills and miscellaneous concerns. The large holdings of the retailers and wholesalers is doubtless explained by the fact that practically all our edible olive oil is imported rather than produced in domestic mills, and is used almost entirely for household consumption rather than in the production of other food commodities. The stocks reported are given by groups of concerns as well as for various subgroups or classes of dealers in the first column of Table 21, while the relative amounts reported by the several groups of concerns are graphically presented in Diagram 20. The number of firms reporting this commodity is shown by groups and classes of firms in Table 22.

Table 21.—Stocks of olive oil reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.		
		1918 stocks.		1917 stocks.
		Quantity.	Per cent of 1917.	
Total	Gallons.	Gallons.		Gallons.
Total	3,921,877	3,125,684	117.8	2,653,608
Oil mills	65,266	60,318	36.6	164,963
Storage warehouses	551,198	308,712	155.9	194,801
Cold storages	416,262	228,601	371.8	61,491
Warehouses	134,936	75,111	56.3	133,310
Wholesale dealers	1,121,943	937,701	78.2	1,198,452
Wholesale grocers	815,508	706,084	73.1	966,041
Other wholesale dealers	306,435	231,617	99.6	232,411
Retail dealers	1,758,114	1,530,358	176.8	865,568
Retail grocers	1,591,961	1,400,460	192.1	728,879
General stores	155,032	129,719	95.3	128,706
Other retail dealers	11,121	7,179	89.9	7,983
Miscellaneous	425,356	293,595	127.7	229,824

Diagram 20.—Distribution of Total Stocks of Olive Oil Reported for January 1, 1918.

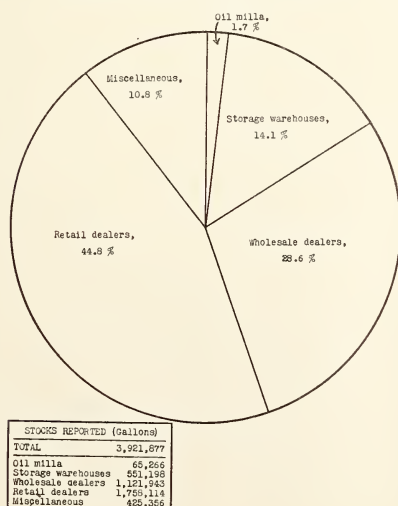


Table 22.—Number of firms reporting olive oil, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	88,678	63,913
Oil mills	31	24
Storage warehouses	112	67
Cold storages	35	17
Warehouses	77	50
Wholesale dealers	3,729	3,103
Wholesale grocers	2,719	2,387
Other wholesale dealers	1,010	716
Retail dealers	78,690	56,587
Retail grocers	58,283	41,680
General stores	19,138	14,182
Other retail dealers	1,269	725
Miscellaneous	6,116	4,132

Geographic Distribution of Stocks Reported.

The geographic distribution of the commercial stocks of olive oil is shown in Table 23. Figures are given not only for the total stocks reported but also for groups of concerns, by states as well as by geographic divisions. The stocks reported for each of the nine geographic divisions are also shown graphically in Diagram 21. The Middle Atlantic division, it will be noticed, reported more than one-half of the stocks for the entire country. Diagram 22, showing the stocks of olive oil reported for the twelve most important states, indicates clearly the extent to which New York outranks all other states in the stocks of this commodity.

Diagram 21.—STOCKS OF OLIVE OIL REPORTED FOR JANUARY 1, 1918—GEOGRAPHIC DISTRIBUTION.

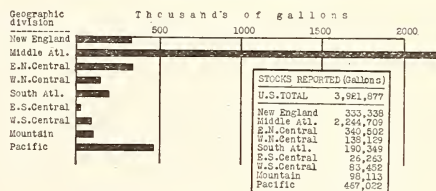
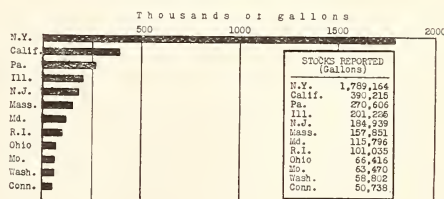


Diagram 22.—STOCKS OF OLIVE OIL REPORTED FOR THE TWELVE MOST IMPORTANT STATES.



Comparative Figures for 1918 and 1917.

Nearly four-fifths of the reports, based on quantity reported, gave information for January 1, 1917, as well as for January 1, 1918. Comparative stocks, as shown by these two-year reports, are given by groups of dealers in the last three columns in Table

21 and are also shown by geographic divisions and states in Table 24. These figures indicate that the stocks of the oil mills and of the wholesale dealers were considerably smaller on the date of the survey than on January 1, 1917. The stocks of the storage warehouses, the retail dealers, and the miscellaneous group of concerns, on the other hand, show a very considerable increase. On the whole, however, the stocks were larger than a year ago, being 17.8 per cent larger than those of January 1, 1917. The relative stocks on the two dates are shown for each group of concerns except the miscellaneous group in Diagram 23. The very important increase in the retail stocks of olive oil is clearly brought out by the diagram.

DIAGRAM 23.—STOCKS OF OLIVE OIL REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

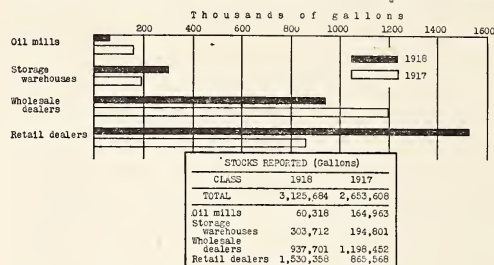


Table 23.—Stocks of olive oil reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.	Oil mills.	Storage warehouses.	WHOLESALE DEALERS.			RETAIL DEALERS.				Miscellaneous.
				Total.	Wholesale grocers.	Other wholesale dealers.	Total.	Retail grocers.	General stores.	Other retail dealers.	
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.
United States	3,921,877	65,266	551,198	1,121,943	815,508	306,435	1,758,114	1,591,961	155,032	11,121	425,356
GEOGRAPHIC DIVISIONS:											
New England.....	333,338	1,478	29,845	96,975	86,538	10,437	109,663	101,658	6,383	1,622	95,377
New England.....	2,244,709	6,844	451,301	487,842	335,605	152,237	1,115,332	1,077,225	32,452	5,655	183,390
Middle Atlantic.....	340,502	879	28,176	143,908	121,776	22,222	135,288	115,492	19,748	1,048	32,161
West North Central.....	138,129	-----	6,475	42,500	41,148	1,352	63,490	48,472	14,564	454	25,664
South Atlantic.....	190,349	-----	320	122,883	19,961	102,922	42,731	31,700	10,867	164	24,415
East South Central.....	26,263	-----	-----	8,601	7,532	1,069	14,390	12,772	2,468	150	3,272
West South Central.....	83,452	-----	4,924	37,554	36,276	1,678	31,932	25,470	6,111	351	8,642
Mountain.....	93,113	1,750	1,838	25,552	24,281	1,271	64,273	34,746	29,171	356	4,700
Pacific.....	467,022	54,315	28,319	155,638	142,391	13,247	181,015	145,426	34,268	1,321	47,735
NEW ENGLAND:											
Maine.....	12,735	1,478	-----	2,933	1,434	1,499	4,242	3,553	666	23	4,082
New Hampshire.....	6,671	-----	-----	1,850	1,793	57	4,103	3,503	574	26	718
Vermont.....	4,308	-----	-----	633	565	68	3,420	2,583	789	48	255
Massachusetts.....	157,851	-----	26,387	64,377	57,167	7,210	54,076	50,767	2,685	624	13,011
Rhode Island.....	101,035	-----	3,458	12,487	11,962	525	10,770	10,318	327	125	74,320
Connecticut.....	50,738	-----	-----	14,695	13,617	1,078	33,052	30,934	1,342	776	2,991
MIDDLE ATLANTIC:											
New York.....	1,789,164	4,739	311,025	418,442	278,058	140,384	989,172	973,024	14,254	1,894	65,786
New Jersey.....	184,939	-----	121,204	16,626	15,736	890	40,929	38,214	1,827	888	6,180
Pennsylvania.....	270,606	2,105	19,072	52,774	41,811	10,963	85,231	65,987	16,371	2,873	111,424
EAST NORTH CENTRAL:											
Ohio.....	66,416	-----	1,084	23,854	21,861	1,993	32,394	29,624	2,488	282	9,084
Indiana.....	19,854	-----	-----	9,687	8,968	719	9,266	8,267	966	33	901
Illinois.....	201,225	879	27,089	93,055	75,916	17,139	64,548	53,501	10,617	430	15,654
Michigan.....	34,348	-----	-----	11,316	9,040	2,276	17,648	15,010	2,506	132	5,584
Wisconsin.....	18,459	-----	3	6,086	5,991	95	11,432	9,090	2,171	171	938
WEST NORTH CENTRAL:											
Minnesota.....	27,721	-----	39	9,977	9,915	62	14,610	10,671	3,899	40	3,095
Iowa.....	15,028	-----	-----	5,302	4,995	307	8,528	7,049	1,419	60	1,198
Missouri.....	63,470	-----	6,276	17,591	16,767	824	23,407	20,115	3,112	180	16,196
North Dakota.....	3,009	-----	-----	1,128	1,128	-----	1,721	796	863	62	160
South Dakota.....	2,779	-----	-----	765	757	8	1,756	1,077	674	5	258
Nebraska.....	12,828	-----	160	4,562	4,434	128	7,234	4,015	3,184	35	872
Kansas.....	18,294	-----	-----	3,175	3,152	23	6,234	4,749	1,413	72	3,865
SOUTH ATLANTIC:											
Delaware.....	2,329	-----	-----	388	287	101	1,330	1,236	91	-----	611
Maryland.....	115,796	-----	200	104,347	2,802	101,545	7,924	7,268	640	16	3,325
District of Columbia.....	12,424	-----	120	2,835	2,773	57	7,107	6,621	483	3	2,362
Virginia.....	9,964	-----	-----	3,601	3,547	54	5,096	3,586	1,494	16	1,267
West Virginia.....	15,277	-----	-----	3,719	3,152	567	9,898	4,726	5,071	101	1,660
North Carolina.....	3,078	-----	-----	618	563	55	2,153	1,040	1,112	1	91
South Carolina.....	1,864	-----	-----	290	274	16	1,483	954	-----	-----	307
Georgia.....	15,757	-----	-----	633	607	26	2,967	2,715	230	22	12,157
Florida.....	13,860	-----	-----	6,452	5,951	501	4,773	3,979	789	5	2,635
EAST SOUTH CENTRAL:											
Kentucky.....	9,981	-----	-----	2,522	2,289	233	5,698	4,919	665	114	1,761
Tennessee.....	7,973	-----	-----	3,062	2,674	388	4,313	3,720	574	19	598
Alabama.....	4,550	-----	-----	1,659	1,333	326	2,264	1,696	559	9	627
Mississippi.....	3,759	-----	-----	1,358	1,236	122	2,115	1,437	670	8	286
WEST SOUTH CENTRAL:											
Arkansas.....	3,678	-----	-----	1,194	1,152	42	2,087	1,436	645	6	397
Louisiana.....	34,879	-----	2,744	13,418	12,457	961	14,069	11,367	2,548	154	4,648
Oklahoma.....	9,505	-----	2,030	4,216	4,106	140	2,824	2,171	563	90	405
Texas.....	35,390	-----	150	19,096	18,561	535	12,952	10,496	2,355	101	3,192
MOUNTAIN:											
Montana.....	21,167	-----	950	4,868	4,203	665	14,446	9,283	5,085	78	903
Idaho.....	6,585	-----	-----	2,231	2,115	116	4,215	1,764	2,450	1	139
Wyoming.....	3,921	-----	-----	448	448	-----	3,418	1,160	2,231	17	554
Colorado.....	26,379	-----	456	8,558	8,164	394	15,699	10,815	4,714	170	1,666
New Mexico.....	5,769	-----	381	1,631	1,631	7	4,033	1,211	2,819	8	309
Arizona.....	11,936	1,750	-----	2,969	2,905	64	6,894	3,623	3,260	6	323
Utah.....	14,472	-----	25	4,992	4,967	25	8,305	3,737	4,502	66	1,150
Nevada.....	7,884	-----	23	448	448	-----	7,258	3,148	4,110	-----	155
PACIFIC:											
Washington.....	58,802	-----	4,328	27,269	26,593	676	24,763	20,219	4,276	268	2,442
Oregon.....	18,005	-----	303	5,070	4,365	705	11,828	8,361	3,440	27	799
California.....	390,215	54,315	23,683	123,299	111,433	11,866	144,424	116,846	26,552	1,026	44,494

Table 24.—Comparative figures for olive oil, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		OIL MILLS.		STORAGE WAREHOUSES.		WHOLESALE DEALERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
United States.....	Gallons. 3,125,684	Gallons. 2,653,608	Gallons. 60,318	Gallons. 164,963	Gallons. 303,712	Gallons. 194,801	Gallons. 937,701	Gallons. 1,198,452	Gallons. 1,530,358	Gallons. 865,568	Gallons. 293,595	Gallons. 229,824
GEOGRAPHIC DIVISIONS:												
New England.....	181,943	248,721			1,042	1,918	85,870	138,390	79,609	91,531	15,422	16,882
Middle Atlantic.....	1,849,730	1,033,448	6,034	5,858	261,809	144,093	368,580	472,788	1,040,130	316,952	173,177	93,757
East North Central.....	204,262	308,826	629	7,009	6,563	10,924	133,070	158,736	96,570	107,682	27,130	24,475
West North Central.....	11,569	154,591			6,815	3,880	40,840	70,348	45,733	51,477	19,071	28,886
South Atlantic.....	159,048	139,248			200		119,446	93,333	29,191	35,380	10,211	6,535
East South Central.....	19,935	24,605					6,700	10,139	10,871	12,602	2,364	1,864
West South Central.....	62,161	101,499		17,500	275	173	34,638	55,086	23,184	25,648	4,064	3,092
Mountain.....	80,947	79,669	1,750	3,150	888	2,028	23,193	20,069	51,552	50,465	3,564	2,957
Pacific.....	392,699	563,001	51,905	131,446	26,620	31,785	125,364	175,563	150,218	173,831	38,592	50,376
NEW ENGLAND:												
Maine.....	8,106	8,896					2,677	1,753	3,198	3,437	2,231	3,706
New Hampshire.....	5,631	7,397					1,843	2,326	3,224	3,594	564	1,477
Vermont.....	3,367	3,633					600	557	2,649	2,921	148	175
Massachusetts.....	108,629	165,972			1,042	1,918	60,956	112,402	36,830	43,473	9,801	8,179
Rhode Island.....	14,251	20,500					5,951	10,470	7,013	8,880	687	1,150
Connecticut.....	41,299	42,303					13,843	10,882	26,095	29,226	1,991	2,195
MIDDLE ATLANTIC:												
New York.....	1,569,121	774,932	3,929	5,314	241,659	131,502	317,269	388,199	947,650	208,234	58,614	41,683
New Jersey.....	54,498	64,587			11,142	8,628	9,754	11,407	28,107	39,975	5,225	4,948
Pennsylvania.....	226,111	193,929	2,105	544	9,038	3,963	41,557	73,553	64,073	68,743	109,338	47,126
EAST NORTH CENTRAL:												
Ohio.....	54,640	64,761			800	1,700	22,406	20,490	23,274	26,214	8,160	7,357
Indiana.....	14,846	20,156					7,670	11,467	6,335	7,855	841	824
Illinois.....	154,847	175,918	629	7,009	5,760	9,221	87,749	96,404	46,821	49,920	13,888	13,364
Michigan.....	25,239	33,256					9,396	15,174	12,308	15,937	3,535	2,145
Wisconsin.....	14,690	14,735			3	3	5,849	6,201	8,132	7,756	706	775
WEST NORTH CENTRAL:												
Minnesota.....	23,524	32,769			39	82	9,611	13,254	10,964	10,031	2,910	9,402
Iowa.....	12,533	15,884					5,238	8,454	6,639	6,867	656	563
Missouri.....	56,499	61,996			6,276	3,798	17,301	18,153	18,670	22,174	14,252	17,871
North Dakota.....	2,462	2,765					1,118	1,090	1,222	1,468	122	207
South Dakota.....	2,511	2,409					755	777	1,521	1,547	235	85
Nebraska.....	10,513	31,432					4,464	25,685	3,220	5,063	829	686
Kansas.....	6,917	7,336					2,853	2,937	4,497	4,327	67	72
SOUTH ATLANTIC:												
Delaware.....	1,618	1,525					277	472	744	955	597	98
Maryland.....	112,540	85,645			200		103,388	77,509	6,212	6,786	2,740	1,550
District of Columbia.....	9,067	9,729					2,246	1,928	4,068	5,778	2,153	2,028
Virginia.....	8,237	8,445					3,433	3,604	3,888	4,195	916	646
West Virginia.....	11,796	9,639					3,172	2,282	7,184	7,013	1,440	344
North Carolina.....	2,316	4,463					504	502	1,590	3,741	222	220
South Carolina.....	602	1,183					276	349	309	803	17	31
Georgia.....	2,838	3,377					514	1,082	1,610	2,019	714	276
Florida.....	10,034	15,242					5,636	9,810	2,986	4,090	1,412	1,342
EAST SOUTH CENTRAL:												
Kentucky.....	8,073	10,606					2,029	4,641	4,400	4,904	1,644	1,061
Tennessee.....	5,596	6,967					1,945	2,067	3,295	3,791	356	509
Alabama.....	3,459	4,204					1,533	1,842	1,618	2,100	308	262
Mississippi.....	2,807	2,828					1,193	989	1,558	1,807	56	32
WEST SOUTH CENTRAL:												
Arkansas.....	2,756	2,980					1,191	1,363	1,246	1,358	319	259
Louisiana.....	23,880	46,408			200		11,537	33,558	9,746	11,339	2,367	1,711
Oklahoma.....	5,852	5,981			30	40	3,728	3,728	1,544	1,857	191	356
Texas.....	29,673	46,130		17,500	45	133	17,823	16,637	10,648	11,094	1,157	766
MOUNTAIN:												
Montana.....	16,887	16,857					4,429	3,899	11,701	11,616	757	1,242
Idaho.....	5,253	4,600					1,835	1,008	3,345	3,530	73	62
Wyoming.....	3,023	2,841					448	311	2,530	2,484	47	46
Colorado.....	22,584	24,172			456	1,924	7,985	7,912	12,735	12,891	1,408	1,445
New Mexico.....	4,740	4,794			384		1,010	1,276	3,170	3,405	176	113
Arizona.....	9,933	9,974		1,750	3,150		2,561	1,356	5,512	5,341	110	129
Utah.....	12,419	10,234					4,060	3,979	6,878	5,805	856	379
Nevada.....	6,106	6,195					23	24	265	5,393	137	450
PACIFIC:												
Washington.....	49,083	61,535			3,458	58	23,045	38,342	20,590	21,503	1,990	1,632
Oregon.....	15,392	21,134			308	202	5,011	8,176	9,513	11,803	560	953
California.....	328,224	480,332	51,905	131,446	22,854	31,525	97,305	129,045	120,115	140,525	36,042	47,791

COMMERCIAL STOCKS OF PEANUT OIL.

The stocks of peanut oil reported for the Survey of January 1, 1918, amounted to 2,306,416 gallons. Of this amount, the oil mills held 63.0 per cent, the wholesale dealers 19.0 per cent, and the retail dealers 4.8 per cent, the balance being held by warehouses and miscellaneous concerns. The large holdings of the oil mills are partly explained by the fact that more than half of our total supply of edible peanut oil is produced in this country, the estimated domestic production of this commodity for 1917 being in round figures, 4,666,000 gallons as against 3,653,000 gallons imported. The stocks reported are given by groups of concerns in the first column of Table 25, and the relative importance of the stocks held by the different groups is shown graphically in Diagram 24. The number of firms reporting this commodity is shown in Table 26.

Table 25.—Stocks of peanut oil reported for January 1, 1918, with comparative figures for January 1, 1917, by classes of business.

CLASS OF BUSINESS.	Total stocks reported for Jan. 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.	Quantity.	Per cent of 1917.
Total.....	2,306,416	1,134,103	124.7	907,506	100.0
Oil mills.....	1,452,243	444,158	128.1	346,610	100.0
Warehouses.....	49,383	44,860	14.7	305,500	100.0
Wholesale dealers.....	437,215	410,306	449.1	91,371	100.0
Retail dealers.....	110,304	51,576	170.7	30,216	100.0
Miscellaneous.....	257,271	183,203	134.9	135,809	100.0

DIAGRAM 24.—DISTRIBUTION OF TOTAL STOCKS OF PEANUT OIL REPORTED FOR JANUARY 1, 1918.

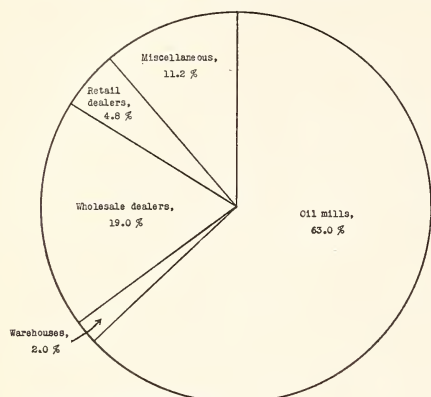


Table 26.—Number of firms reporting peanut oil, by classes of business.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	4,856	2,379
Oil mills	61	34
Warehouses	10	5
Wholesale dealers	243	174
Retail dealers	4,130	1,948
Miscellaneous	412	218

Geographic Distribution of Stocks Reported.

The stocks of peanut oil reported in the Survey are shown by states as well as by geographic divisions in Table 27, while the stocks reported for the fifteen most important states are graphically represented in Diagram 25. Alabama, it will be noticed, ranked first as a holder of peanut oil, with Illinois second, Georgia third, Texas fourth, Michigan fifth, and Louisiana sixth. Table 27 indicates that in Alabama, Georgia, Louisiana, and Michigan the stocks of peanut oil were reported largely by the oil mills, and in Illinois mainly by wholesalers, while in Texas the retail dealers held more than twice as much as the wholesalers, and almost as much as the oil mills.

DIAGRAM 25.—STOCKS OF PEANUT OIL REPORTED FOR THE FIFTEEN MOST IMPORTANT STATES.

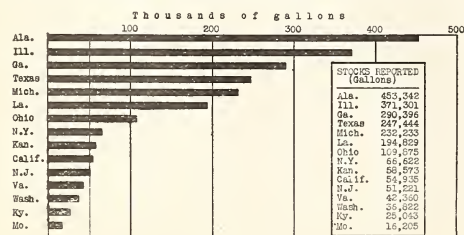


Table 27.—Stocks of peanut oil reported for January 1, 1918, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL Gallons.	Oil mills. Gallons.	Warehouses. Gallons.	Wholesale dealers. Gallons.	Retail dealers. Gallons.	Miscellaneous. Gallons.
United States	2,306,416	1,452,243	49,383	437,215	110,304	257,271
GEOGRAPHIC DIVS.:						
New England	5,525	---	124	64	1,475	3,862
Middle Atlantic	119,298	31,015	14,900	14,424	6,623	52,306
E. N. Central	728,583	330,834	---	264,407	2,290	131,052
W. N. Central	77,491	---	---	59,618	1,812	16,061
South Atlantic	342,369	316,339	---	702	988	24,340
E. S. Central	490,551	485,809	---	---	4,306	434
W. S. Central	445,063	288,036	---	39,627	89,335	23,045
Mountain	8,532	---	---	2,680	688	464
Pacific	93,704	180	34,359	55,691	2,767	707
NEW ENGLAND:						
Maine	183	---	---	---	133	50
New Hampshire	6	---	---	---	3	3
Vermont	21	---	---	---	11	10
Massachusetts	1,753	---	124	2	714	913
Rhode Island	3,088	---	---	---	46	2,816
Connecticut	474	---	---	---	16	358
MIDDLE ATLANTIC:						
New York	66,622	29,923	14,900	14,404	5,059	2,330
New Jersey	51,221	1,101	---	9	343	49,768
Pennsylvania	1,455	15	---	11	1,221	208
E. N. CENTRAL:						
Ohio	109,875	99,750	---	76	505	9,544
Indiana	9,677	---	---	9,459	180	38
Illinois	371,301	---	---	254,815	775	115,603
Michigan	232,233	230,076	---	---	567	690
Wisconsin	5,497	---	---	57	263	5,177
W. N. CENTRAL:						
Minnesota	1,107	---	---	408	598	101
Iowa	380	---	---	---	117	263
Missouri	16,205	---	---	70	524	15,611
North Dakota	343	---	---	---	328	15
South Dakota	732	---	---	---	721	10
Nebraska	151	---	---	---	9	76
Kansas	58,573	---	---	58,410	159	4
SOUTH ATLANTIC:						
Delaware	13	---	---	8	5	---
Maryland	352	---	---	227	55	70
District of Col.	267	---	---	---	252	15
Virginia	42,369	42,223	---	---	136	1
West Virginia	94	---	---	3	91	---
North Carolina	499	---	---	460	39	---
South Carolina	10	---	---	---	5	5
Georgia	290,369	266,116	---	---	5	24,225
Florida	8,578	8,000	---	---	350	24
E. S. CENTRAL:						
Kentucky	25,043	24,653	---	---	150	240
Tennessee	12,142	11,963	---	2	33	144
Alabama	453,242	449,193	---	---	4,069	50
Mississippi	24	---	---	---	24	---
W. S. CENTRAL:						
Arkansas	256	---	---	146	27	83
Louisiana	194,829	194,436	---	---	373	20
Oklahoma	2,534	---	---	1,011	1,461	62
Texas	247,444	93,600	---	38,470	87,494	27,887
MOUNTAIN:						
Montana	2,670	---	---	2,435	215	20
Idaho	640	---	---	245	108	287
Wyoming	62	---	---	---	62	---
Colorado	108	---	---	---	86	22
New Mexico	129	---	---	---	10	75
Arizona	130	---	---	---	51	75
Utah	120	---	---	---	80	50
Nevada	8	---	---	---	8	---
PACIFIC:						
Washington	36,822	---	30,000	6,244	417	161
Oregon	1,947	---	160	1,335	339	113
California	54,935	180	4,199	48,112	2,011	433

Comparative Figures for 1918 and 1917.

The comparative figures given in the last three columns of Table 25, and more in detail in Table 28, are based on the reports for those firms that gave information for January 1, 1917, as well as for January 1, 1918. These figures indicate that the commercial stocks of peanut oil were considerably greater on the date of the Survey than they were one year earlier. While the warehouses reported stocks equal to only 14.7 per cent of those held January 1, 1917, the oil mills reported stocks 28.1 per cent larger than on the earlier date, the retail dealers show an increase of 70.7 per cent

in their stocks of peanut oil, and the wholesale dealers reported stocks for January 1, 1918, which were nearly four and one-half times as large as those held by the same firms on January 1, 1917. The oil mills in the state of Texas show a considerable decrease in stocks for the year between the inventory dates, but this was more than made up by increases in the stocks reported for other states. The combined stocks of all the groups of concerns on the date of the survey were 24.7 per cent larger than those of a year earlier. The relative stocks of the several groups of concerns on the two dates are represented graphically in Diagram 26.

DIAGRAM 26.—STOCKS OF PEANUT OIL REPORTED FOR JANUARY 1, 1918, AND JANUARY 1, 1917, BY IMPORTANT GROUPS OF FIRMS.

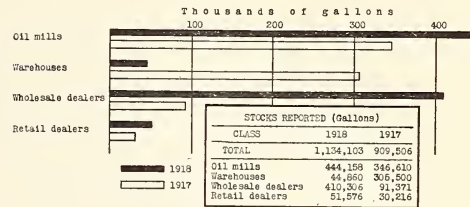


Table 28.—Comparative figures for peanut oil, by classes of business, for geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	TOTAL.		OIL MILLS.		WAREHOUSES.		WHOLESALE DEALERS.		RETAIL DEALERS.		MISCELLANEOUS.	
	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.	1918.	1917.
United States	1,134,103	909,506	444,198	346,610	44,660	306,500	410,306	91,371	51,576	30,216	183,203	135,809
GEOGRAPHIC DIVISIONS:												
New England	1,963	2,781					114	240	1,107	1,530	742	1,011
Middle Atlantic	39,408	23,700	2,625	2,340	12,650	5,000	14,189	2,339	4,945	6,405	24,999	7,616
East North Central	477,938	103,986	99,858	52,004			263,302	25,685	779	1,027	113,990	25,210
West North Central	76,450	80,371					59,618	13,837	1,165	1,466	15,667	65,210
South Atlantic	119,391	23,174	118,340	21,843			595	649	394	430	62	232
East South Central	123,187	14,721	121,979	14,206			2		778	350	428	165
West South Central	199,372	311,450	101,356	250,573			31,248	8,972	40,106	16,138	26,662	35,767
Mountain	934	706					245		338	428	351	278
Pacific	75,480	348,617		5,584	32,210	300,500	40,993	39,649	1,964	2,442	293	442
NEW ENGLAND:												
Maine	183	287							133	137	50	150
New Hampshire	1	9							1	9		
Vermont	10	45							5	15		30
Massachusetts	1,236	1,664					52	201	556	689	628	774
Rhode Island	107	71					46	12	61	59		
Connecticut	426	705					16	27	351	621	59	57
MIDDLE ATLANTIC:												
New York	34,192	13,376	1,989		12,650	5,000	14,173	2,320	4,084	5,545	1,296	511
New Jersey	24,384	9,462	621	2,340			5	5	166	244	23,592	6,873
Pennsylvania	832	862	15				11	14	695	616	111	232
EAST NORTH CENTRAL:												
Ohio	105,532	67,925	99,750	51,700			76	372	206	377	5,500	15,476
Indiana	9,594	1,195					9,459	1,041	104	102	31	
Illinois	361,899	34,237	108	364			253,710	24,159	216	309	107,865	9,405
Michigan	733	403						14	130	112	603	277
Wisconsin	180	226					57	99	123	127		
WEST NORTH CENTRAL:												
Minnesota	768	2,143					408	1,536	300	578	60	29
Iowa	70	125							57	110	13	15
Missouri	15,980	65,588					70	306	370	293	15,540	64,989
North Dakota	317	110							312	109		
South Dakota	728	54					721	26	7	28	5	1
Nebraska	102	2,308					9	2,053	48	225	45	30
Kansas	58,485	10,043					58,410	9,916	71	123	4	4
SOUTH ATLANTIC:												
Delaware	8	20					8	20				
Maryland	170	409					127	162	43	44		203
District of Columbia	247	213							232	198	15	
Virginia	42,268	21,892	42,223	21,843					45	49		
West Virginia	21	79							21	79		
North Carolina	463	463					460	460	3	3		
South Carolina									1			3
Georgia	68,173	51	68,117						6	26	30	15
Florida	8,036	43	8,000						24	27	12	16
EAST SOUTH CENTRAL:												
Kentucky	353	320							113	196	240	124
Tennessee	12,128	70	11,963				2		25	39	138	31
Alabama	110,692	14,321	110,016	14,206					626	105	50	10
Mississippi	14	10							14	10		
WEST SOUTH CENTRAL:												
Arkansas	79	13							3	3	76	10
Louisiana	7,826	43	7,756						70	43		
Oklahoma	862	8,487		8,442			251		611	45		
Texas	190,605	302,907	93,600	242,131			30,997	8,972	39,422	16,047	26,586	35,757
MOUNTAIN:												
Montana	160	257							160	256		1
Idaho	564	234					245		32	24	287	210
Wyoming	11	12							11	12		
Colorado	67	83							53	51	14	32
New Mexico	21	20							21	20		
Arizona	42	40							42	40		
Utah	62	53							12	18	50	35
Nevada	7	7							7	7		
PACIFIC:												
Washington	36,349	314,586		5,584	30,000	300,000	6,126	8,830	173	171	50	1
Oregon	1,623	601			160		1,235	6	219	583	9	12
California	37,488	33,430			2,050	500	33,632	30,513	1,572	1,688	234	429

